LG
Life's Good

ENGLISH

OWNER'S MANUAL

LCD TV / LED LCD TV / PLASMA TV

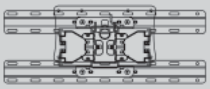
Please read this manual carefully before operating
your set and retain it for future reference.

www.lg.com

Separate purchase

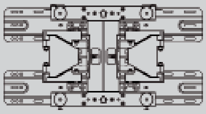
Wall Mounting Bracket

LSW100B or
LSW100BG



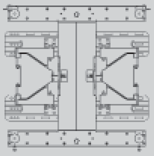
(32LE4***, 32LE5***,
32LE7***, 32LD4***,
32LD6***, 32LD7***,
32LD8***)

LSW200B or
LSW200BG



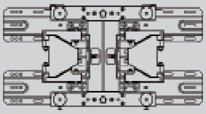
(37/42LE4***,
37/42/47LE5***,
37/42/47LE7***,
42/47LE8***, 37/42LD4***,
37/42/47LD6***,
42/47LD7***, 37/42LD8***,
42/47LX6***)

LSW400B or
LSW400BG or
DSW400B or
DSW400BG



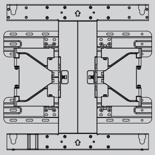
(55LE5***,
55LE7***,
55LE8***,
55LD6***,
55LX9***)

LSW200BX or
LSW200BXG



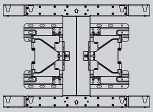
(47LX9***)

PSW400B or PSW400BG or
DSW400BG



(50PK5**, 50PK7***, 50PK9***, 50PX9***)

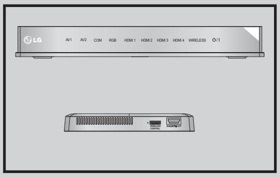
PSW600B or PSW600BG



(60PK5**, 60PK7***, 60PK9***, 60PX9***)

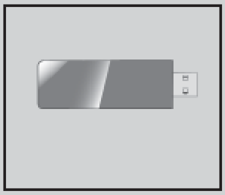
Optional extras can be changed or modified for quality improvement without any notification.
Contact your dealer for buying these items.
This device only works with compatible LG LED LCD TV, LCD TV, or Plasma TV.

Wireless Media Box



(Except for
32/37/42LD4***)

Wireless LAN for
Broadband/
DLNA Adaptor



(Except for 50/60PK950,
50/60PK950N, 50/60PK980,
50/60PK990, 50/60PX950N,
50/60PX980, 50/60PX990)

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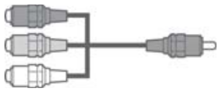
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

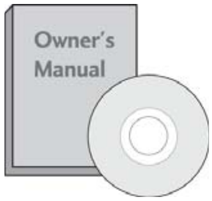
- Image shown may differ from your TV.



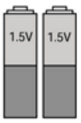
Component gender cable, AV gender cable

Nero MediaHome 4 Essentials CD

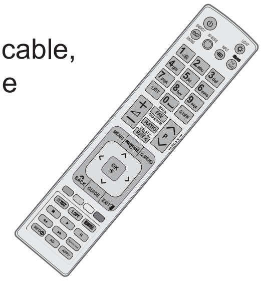
Cable Holder



Owner's Manual



Batteries (AAA)

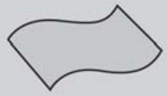


Remote Control

3D Glasses (Only 42/47LX6***)

1-screw for stand fixing (Only 32LE4***, 32LE5***)

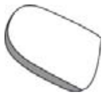
This item is not included for all models.



Polishing Cloth
Polishing cloth for use on the screen.

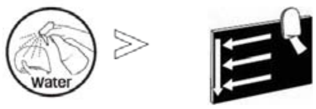
* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

Do not use excessive force. This may cause scratching or discolouration.



cleansing cloths(mitt)

(Only 32/37/42/47/55LE75**, 32/37/42/47/55LE78**, 32/37/42/47/55LE79**)



Slightly wipe stained spot on the exterior only with the cleansing cloths(mitt) for the product exterior if there is stain or fingerprint on surface of the exterior.

For cleaning front frame, please slowly wipe in one direction after spraying water 1~2 times on cleansing cloths. Please remove excessive moisture after cleaning. Excessive moisture may cause water stains on the frame.

(Only 32/37/42/47LE5***, 32/37/42/47LE75**, 32/37/42/47LE78**, 32/37/42/47LE79**, 42/47LX6***)

(M4 x 16)

(Only 42/47/55LE8***)

(M4 x 20)

(Only 55LE5***, 55LE75**, 55LE78**, 55LE79**)

(M4 x 24)

(M4 x 16)

(Only 32LE4***)

(M4 x 22)

(Only 37/42LE4***)

(M4 x 24)

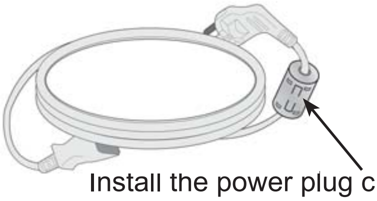
(Only 32/37/42LE4***)

(M4x16)

Bolts for stand assembly

Use of ferrite core (This feature is not available for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power cord.
The closer the location of the ferrite core to the power plug, the better it is.



Install the power plug closely.

Ferrite Core (This item is not included for all models.)

PREPARATION

FRONT PANEL CONTROLS

NOTE

- ► TV can be placed in standby mode in order to reduce the power consumption. And TV should be switched off using the power switch on the TV if it will not be watched for some time, as this will reduce energy consumption.

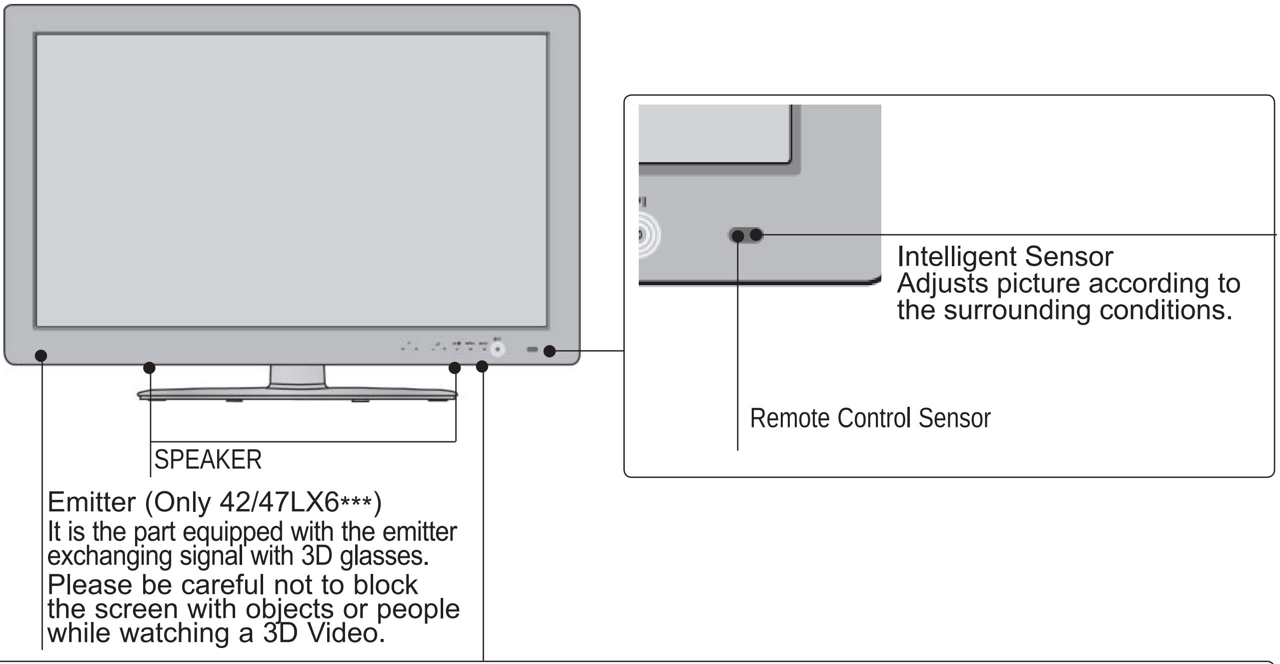
The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and this will reduce the overall running cost.

CAUTION

- ► Do not step on the glass stand or subject it to any impact. It may break, causing possible injury from fragments of glass, or the TV may fall.
- ► Do not drag the TV. The floor or the product may be damaged.

- ■ Image shown may differ from your TV.

Only 32/37/42/47/55LE5***, 32/37/42/47/55LE75**, 32/37/42/47/55LE78**, 32/37/42/47/55LE79**, 42/47LX6***



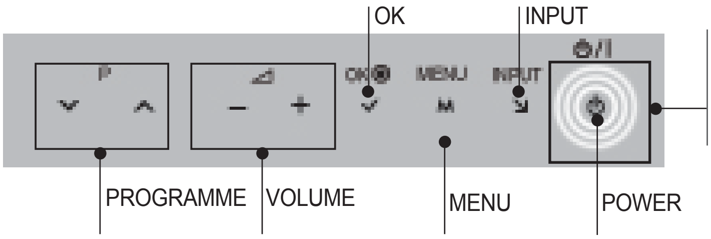
Intelligent Sensor
Adjusts picture according to the surrounding conditions.

Remote Control Sensor

Emitter (Only 42/47LX6***)
It is the part equipped with the emitter exchanging signal with 3D glasses.
Please be careful not to block the screen with objects or people while watching a 3D Video.

Touch Button

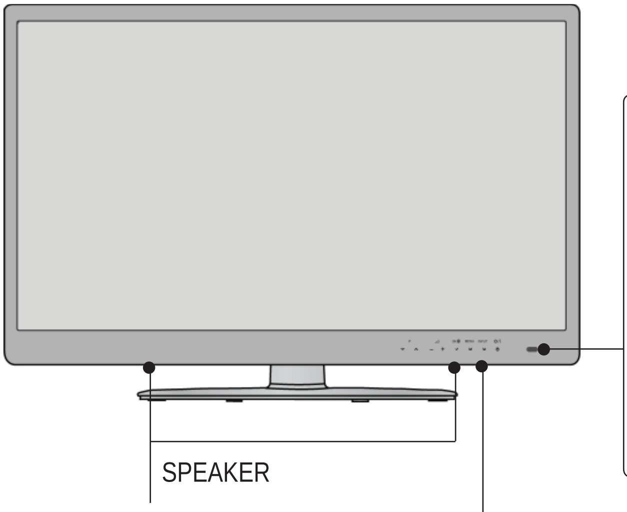
You can use the desired button function by touching.

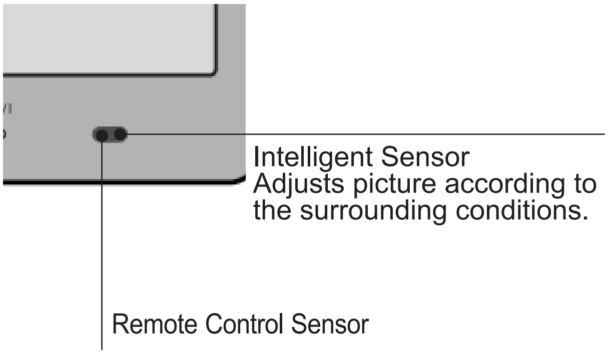


Power/Standby Indicator

(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

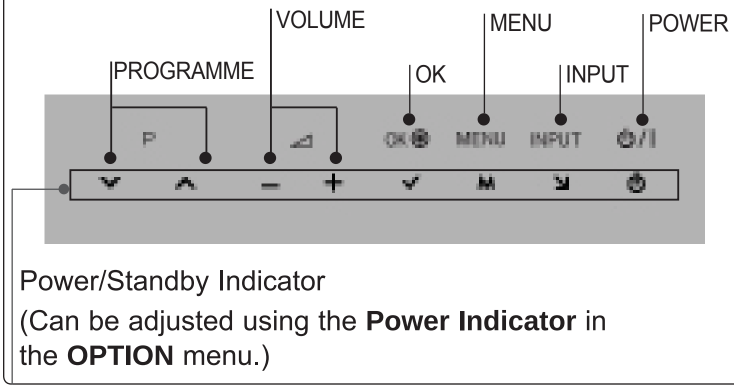
Only 42/47/55LE8***




Intelligent Sensor
Adjusts picture according to the surrounding conditions.
Remote Control Sensor

Touch Button

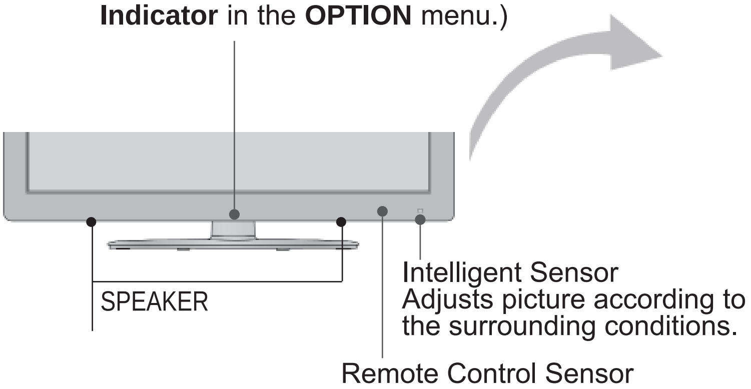
You can use the desired button function by touching.

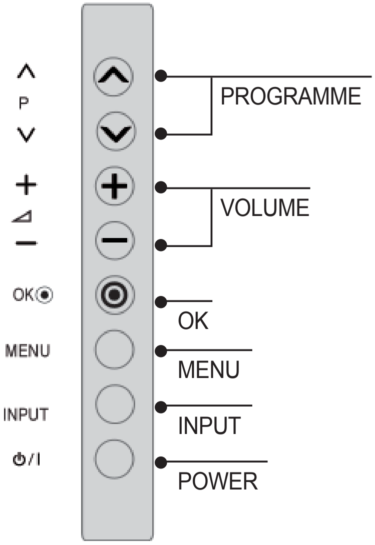

VOLUME
MENU
POWER
PROGRAMME
OK
INPUT
P
OK
MENU
INPUT
⏻/I

Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

Only 32/37/42LE4***

Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)


SPEAKER
Intelligent Sensor
Adjusts picture according to the surrounding conditions.
Remote Control Sensor

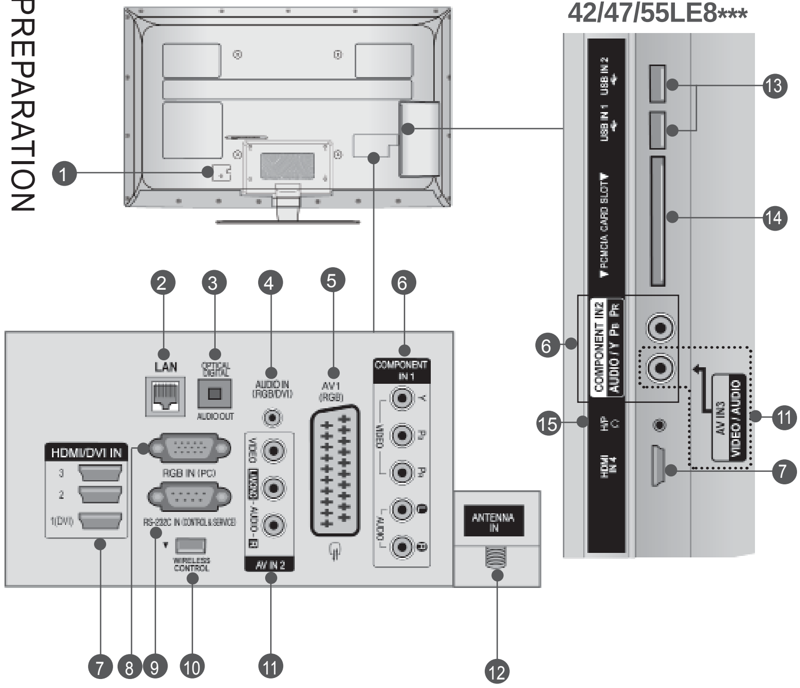

P
OK
MENU
INPUT
⏻/I
PROGRAMME
VOLUME
OK
MENU
INPUT
POWER

PREPARATION

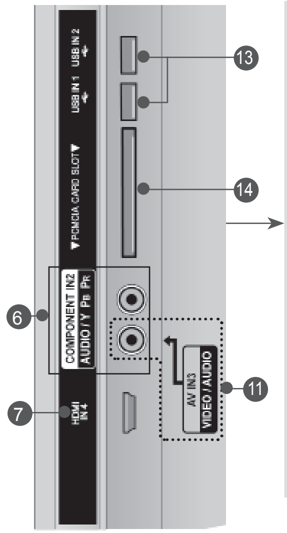
BACK PANEL INFORMATION

- Image shown may differ from your TV.

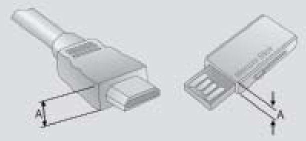
Only 32/37/42LE4***,
32/37/42/47/55LE5***,
32/37/42/47/55LE75**,
32/37/42/47/55LE78**,
32/37/42/47/55LE79**,
42/47/55LE8***


1
2
3
4
5
6
LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
Y
PB
PR
VIDEO
AUDIO
HDMI/DVI IN
3
2
1(DVI)
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
AV IN 2
ANTENNA IN
7
8
9
10
11
12
USB IN 2
USB IN 1
PCMCIA CARD SLOT
COMPONENT IN2
AUDIO / Y PB PR
H/P
HDMI IN 4
AV IN3
VIDEO / AUDIO
13
14
6
15
11
7

Only 42/47LX6***


USB IN 2
USB IN 1
PCMCIA CARD SLOT
COMPONENT IN2
AUDIO / Y PB PR
HDMI IN 4
AV IN3
VIDEO / AUDIO
13
14
6
7
11

⚠ CAUTION



- ▶ Use a product with the following thickness for optimal connection to HDMI cable (Only HDMI IN 4) / USB device.
  *A ≦ 10 mm

① **Power Cord Socket**
This TV operates on an AC power. The voltage is indicated on the Specifications page. (▶ p.184 to 200) Never attempt to operate the TV on DC power.

② **LAN**
Network connection for AccuWeather, Picasa, YouTube, etc.
Also used for video, photo and music files on a local network.

③ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio to various types of equipment.
Connect to a Digital Audio Component.
Use an Optical audio cable.

④ **RGB/DVI Audio Input**
Connect the audio from a PC or DTV.

⑤ **Euro Scart Socket (AV1)**
Connect scart socket input or output from an external device to these jacks.

⑥ **Component Input**
Connect a component video/audio device to these jacks.

⑦ **HDMI/DVI IN Input**
Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

⑧ **RGB IN Input**
Connect the output from a PC.

⑨ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
This port is used for Service or Hotel mode.

⑩ **WIRELESS Control**
Connect the Wireless Ready Dongle to the TV to control the external input devices connected to Wireless Media Box wirelessly.

⑪ **Audio/Video Input**
Connect audio/video output from an external device to these jacks.

⑫ **Antenna Input**
Connect antenna or cable to this jack.

⑬ **USB Input**
Connect USB storage device to this jack.

⑭ **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
Insert the CI Module to **PCMCIA CARD SLOT**.
(This feature is not available in all countries.)

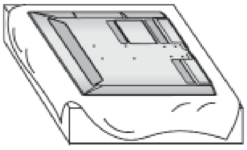
⑮ **Headphone Socket**
Plug the headphone into the headphone socket.

STAND INSTALLATION

- Image shown may differ from your TV.

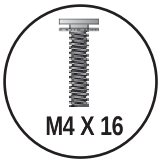
When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.

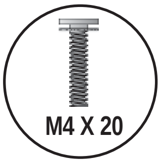


2 Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.

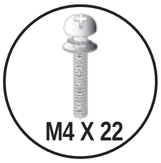
At this time, tighten the screws that hold the **Stand Body** on.



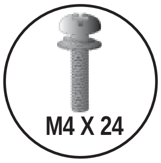
(Only 32/37/42/47LE5***, 32/37/42/47LE75**, 32/37/42/47LE78**, 32/37/42/47LE79**, 42/47LX6***)



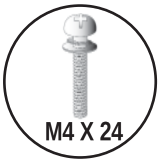
(Only 42/47/55LE8***)



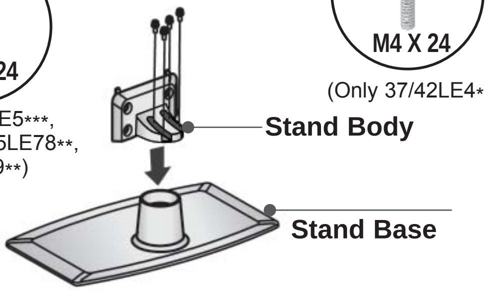
(Only 32LE4***)



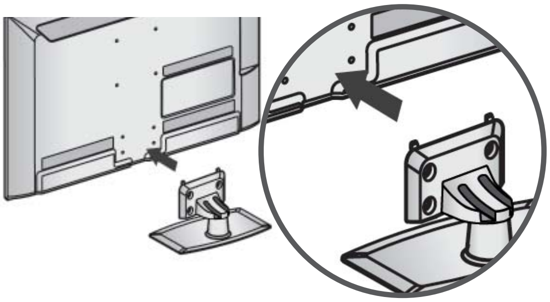
(Only 55LE5***, 55LE75**, 55LE78**, 55LE79**)



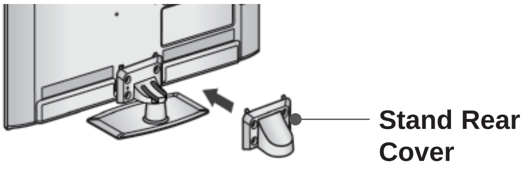
(Only 37/42LE4***)



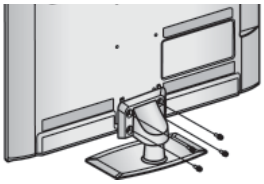
3 Assemble the TV as shown.

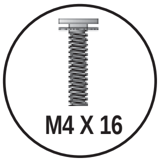


4 Assemble the parts of the **Stand Rear Cover** with the TV.

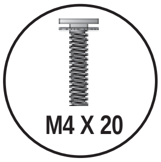


5 Fix the 4 bolts securely using the holes in the back of the TV.

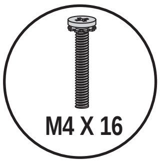




(Only 32/37/42/47/55LE5***, 32/37/42/47/55LE75**, 32/37/42/47/55LE78**, 32/37/42/47/55LE79** 42/47LX6***)



(Only 42/47/55LE8***)



(Only 32/37/42LE4***)

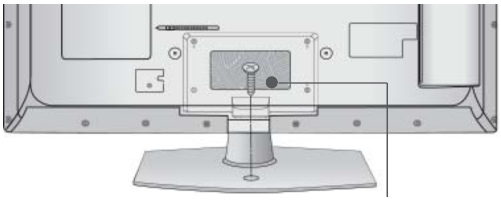
PREPARATION

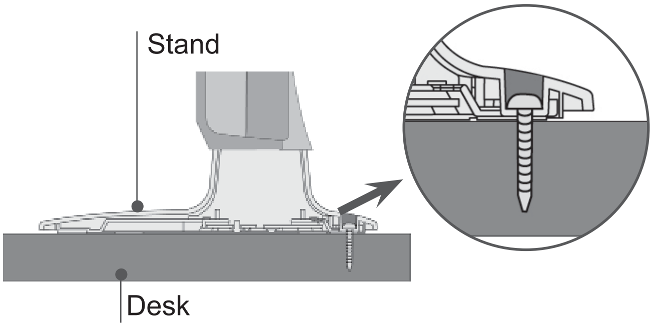
ATTACHING THE TV TO A DESK

(Only 32LE4***, 32LE5***)

- Image shown may differ from your TV.

The TV must be attached to desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the product. Use only an attached screw.





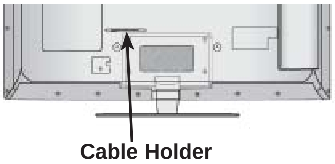
WARNING

- ► To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury.

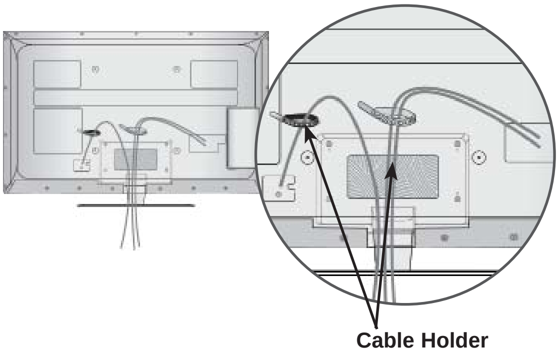
BACK COVER FOR WIRE ARRANGEMENT

- Image shown may differ from your TV.

1. Secure the power cord with the **Cable Holder** on the TV back cover.
   It will help prevent the power cable from being removed by accident.



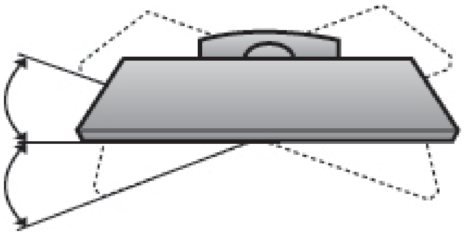
2. After connecting the cables as necessary, install **Cable Holder** as shown and bundle the cables.



SWIVEL STAND

- Image shown may differ from your TV.

After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.



KENSINGTON SECURITY SYSTEM

- This feature is not available for all models.
- Image shown may differ from your TV.

The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.

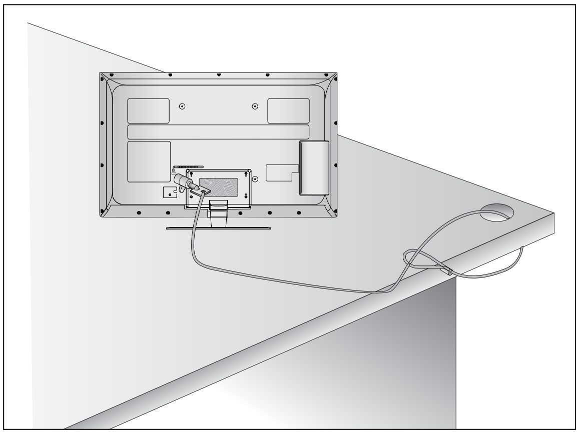
For the detailed installation and use of the Kensington Security System, refer to the user’s guide provided with the Kensington Security System.

For further information, contact http://www.kensington.com, the internet homepage of the Kensington

company. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

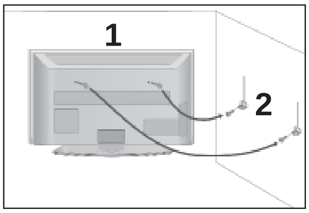
NOTE

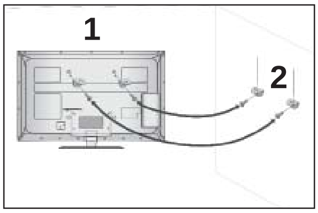
- ▶ The Kensington Security System is an optional accessory.
- ▶ If the TV feels cold to the touch, there may be a small “flicker” when it is turned on.
  This is normal, there is nothing wrong with TV.
- ▶ Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- ▶ Avoid touching the LCD screen or holding your finger(s) against it for long periods of time.
  Doing so may produce some temporary distortion effects on the screen.



CAREFUL INSTALLATION ADVICE

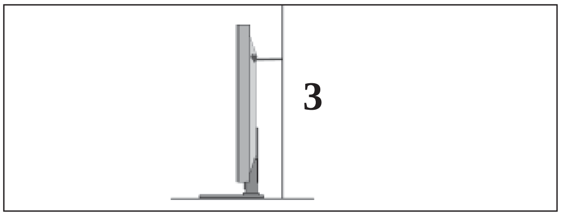
- You should purchase necessary components to fix the TV safety and secure to the wall on the market.
- Position the TV close to the wall to avoid the possibility of it falling when pushed.
- The instructions shown below are a safer way to set up the TV, by fixing it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.





① Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
(If your TV has bolts in the eyebolts, loosen then bolts.)
* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

② Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



③ Use a sturdy rope to tie the product for alignment. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

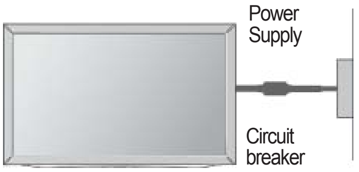
- ▶ When moving the TV undo the cords first.
- ▶ Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ▶ To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

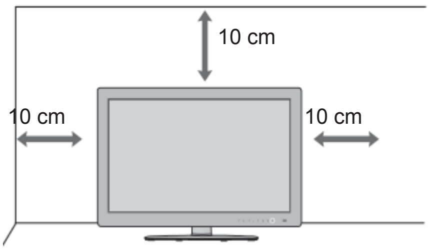
Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.

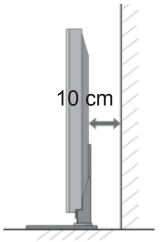


DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For adequate ventilation allow a clearance of 10 cm all around the TV.



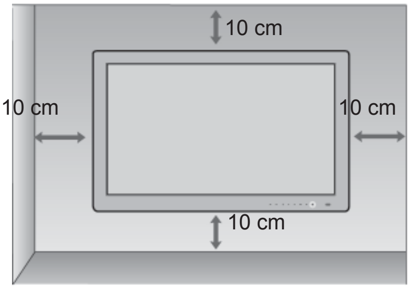


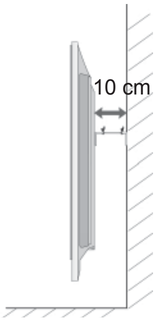
WALL MOUNT: HORIZONTAL INSTALLATION

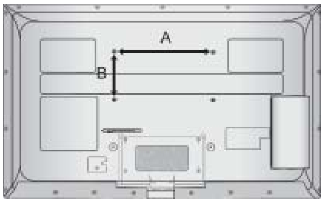
- We recommend the use of a LG Brand wall mounting bracket when mounting the TV to a wall.
- We recommend that you purchase a wall mounting bracket which supports VESA standard.
- LG recommends that wall mounting be performed by a qualified professional installer.

NOTE

- ▶ Should Install wall mount on a solid wall perpendicular to the floor.
- ▶ Should use a special wall mount, if you want to install it to ceiling or slanted wall.
- ▶ The surface that wall mount is to be mounted on should be of sufficient strength to support the weight of TV set; e.g. concrete, natural rock, brick and hollow block.
- ▶ Installing screw type and length depends on the wall mount used. Further information, refer to the instructions included with the mount.
- ▶ LG is not liable for any accidents or damage to property or TV due to incorrect installation:
  - Where a non-compliant VESA wall mount is used.
  - Incorrect fastening of screws to surface which may cause TV to fall and cause personal injury.
  - Not following the recommended Installation method.



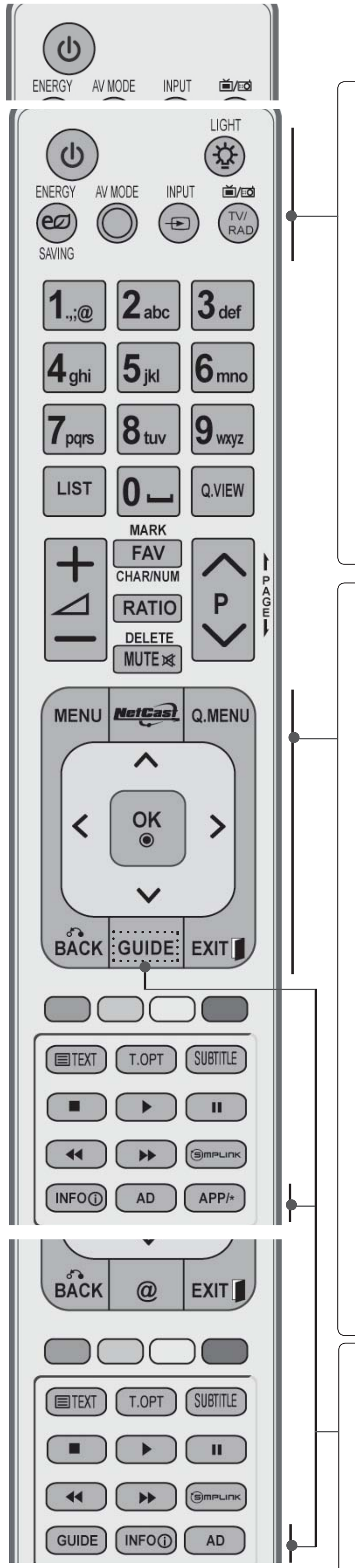




Model	VESA (A * B)	Standard Screw	Quantity
32LE4***	200 * 100	M4	4
37/42LE4***	200 * 200	M6	4
32LE5***	200 * 100	M4	4
37/42/47LE5***	200 * 200	M6	4
55LE5***	400 * 400	M6	4
32LE75**, 32LE78**,32LE79**	200 * 100	M4	4
37/42/47LE75**, 37/42/47LE78**, 37/42/47LE79**	200 * 200	M6	4
55LE7***	400 * 400	M6	4
42/47LE8***	200 * 200	M6	4
55LE8***	400 * 400	M6	4
42/47LX6***	200 * 200	M6	4

REMOTE CONTROL KEY FUNCTIONS (Only 32/37/42LE4***, 32/37/42/47/55LE5***, 32/37/42/47/55LE75**, 32/37/42/47/55LE78**, 32/37/42/47/55LE79**, 42/47/55LE8***)

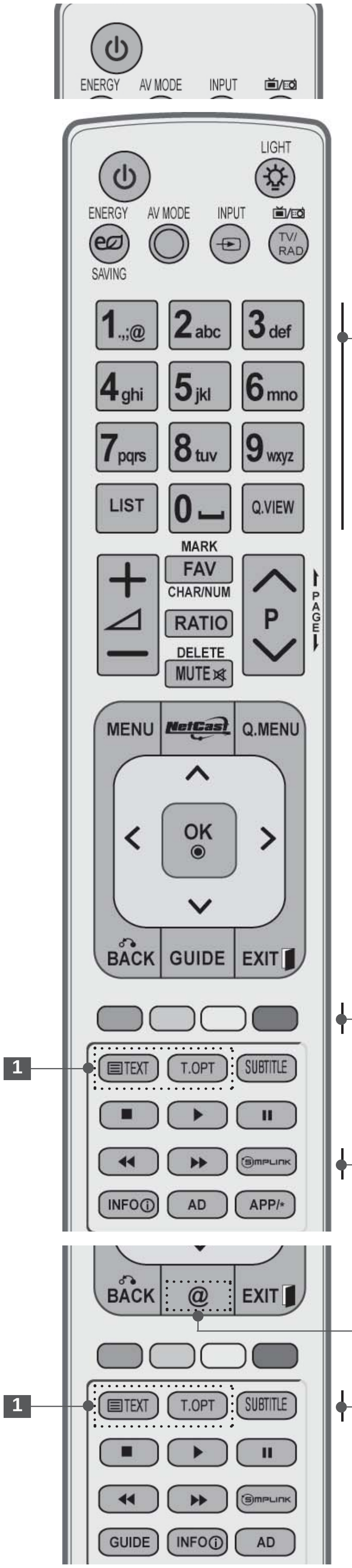
When using the remote control, aim it at the remote control sensor on the TV.


ENERGY
AV MODE
INPUT
LIGHT
SAVING
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO ⓘ
AD
APP/*
@
GUIDE
INFO ⓘ
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 32/37/42LE48**, 32/37/42/47/55LE58**, 32/37/42/47/55LE78**, 42/47/55LE88**)


ENERGY
AV MODE
INPUT
LIGHT
SAVING
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
1
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
@
1
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

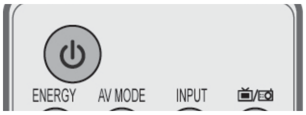
0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

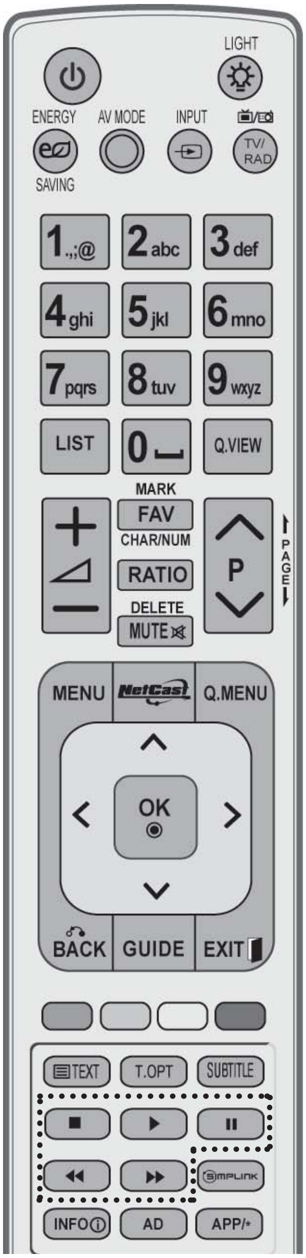
Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the 'Teletext' section. (▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.


ENERGY
AV MODE
INPUT

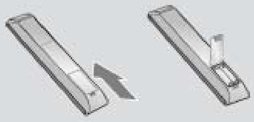

LIGHT
ENERGY
AV MODE
INPUT
TV/
RAD
SAVING
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
RATIO	Selects your desired Aspect Ratio of picture. (▶ **p.135**)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).

BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

Installing Batteries

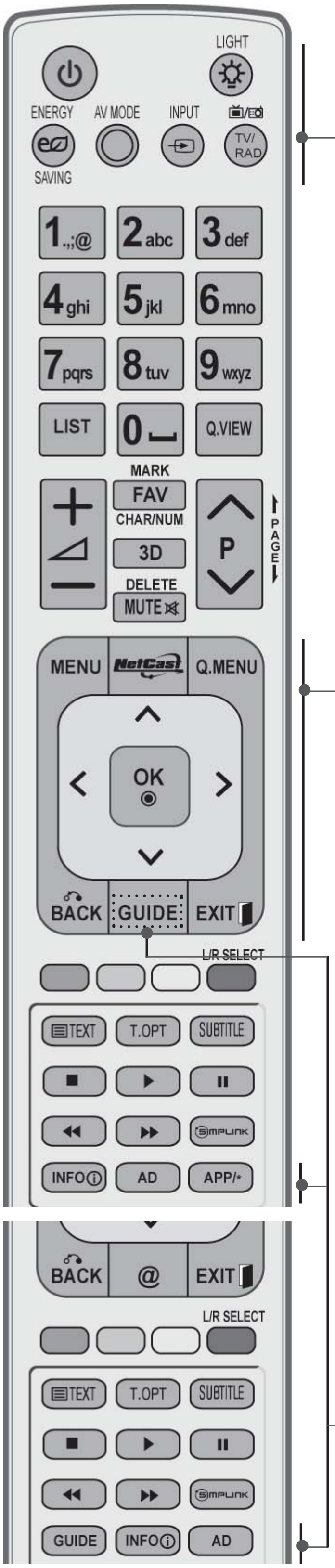


- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

PREPARATION

REMOTE CONTROL KEY FUNCTIONS (Only 42/47LX6***)

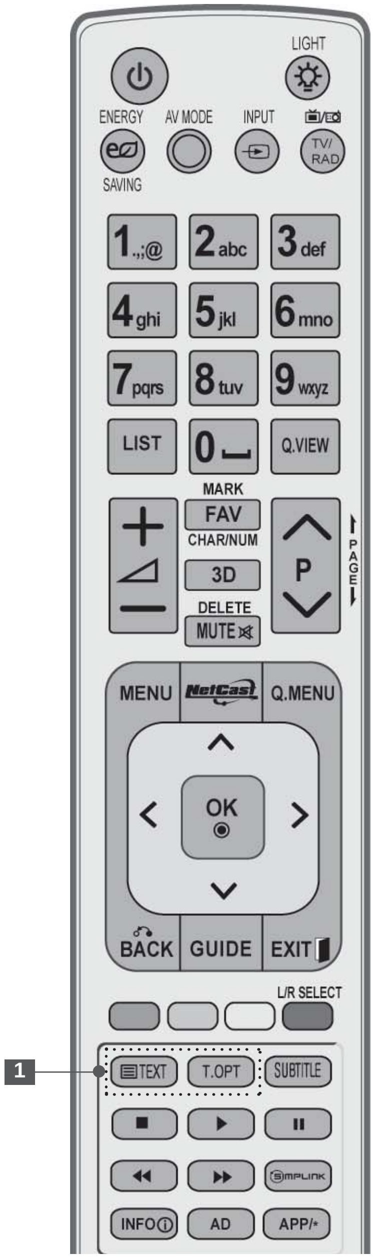
When using the remote control, aim it at the remote control sensor on the TV.

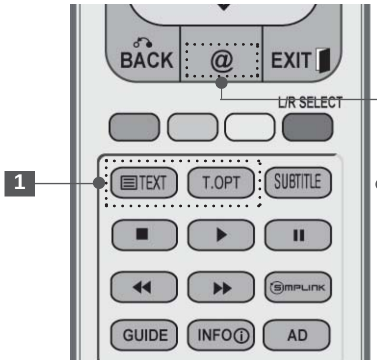

LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO ⓘ
AD
APP/*
BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO ⓘ
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 42/47LX68**)


LIGHT
ENERGY
AV MODE
INPUT
TV/
RAD
SAVING
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
1


BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD
1

0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

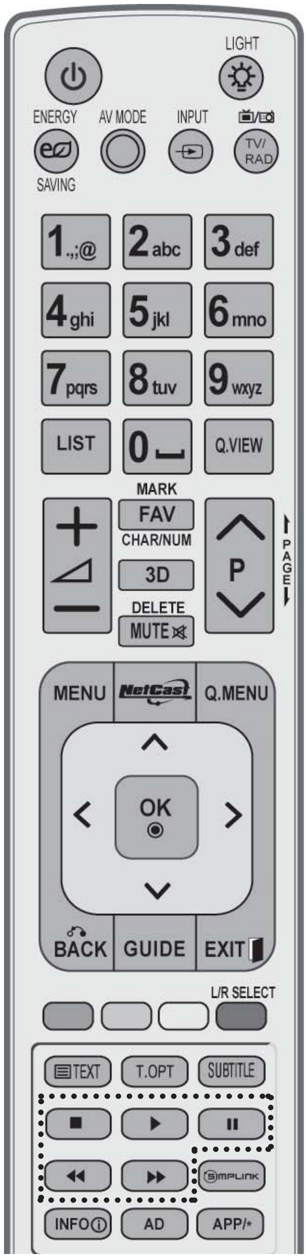
Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.
L/R SELECT	Use this to view 3D video. (▶ p.89)

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

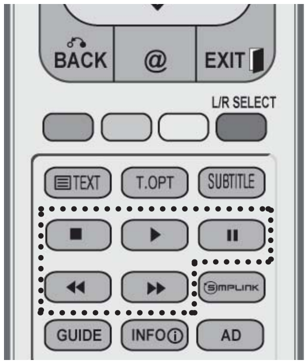
1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the 'Teletext' section. (▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.

PREPARATION

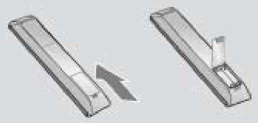

LIGHT
ENERGY
SAVING
AV MODE
INPUT
TV/RAD
1.,;@
2abc
3def
4ghi
5jkl
6mno
7pqrs
8tuv
9wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
3D	Use this to view 3D video. (► p.88)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).


BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

Installing Batteries



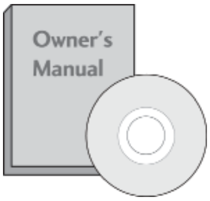
- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

LCD TV MODELS : 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***

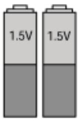
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

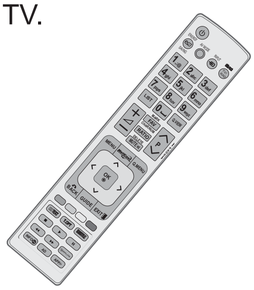
- Image shown may differ from your TV.



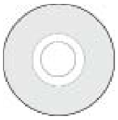
Owner’s Manual



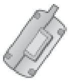
Batteries
(AAA)



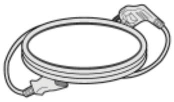
Remote Control



Nero MediaHome
4 Essentials CD



Ferrite Core
(This item is not included
for all models.)



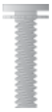
Power Cord

This item is not included for all models.

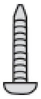
Polishing Cloth
Polishing cloth for use on the screen.

* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

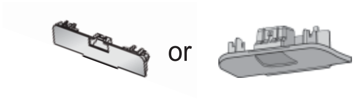
Do not use excessive force. This may cause scratching or discolouration.



(M4x20)
Bolts for stand assembly



1-screw for stand fixing
(Only 32/37/42LD4***,
32/37/42LD6***,
32/42LD7***,
32/37/42LD8***)

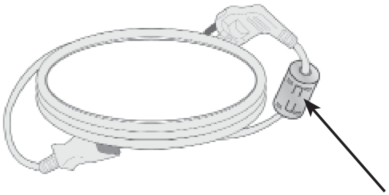


Protection cover

Use of ferrite core (This feature is not available for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power cord.

The closer the location of the ferrite core to the power plug, the better it is.



Install the power plug closely.

PREPARATION

FRONT PANEL CONTROLS

NOTE

- ► TV can be placed in standby mode in order to reduce the power consumption. And TV should be switched off using the power switch on the TV if it will not be watched for some time, as this will reduce energy consumption.

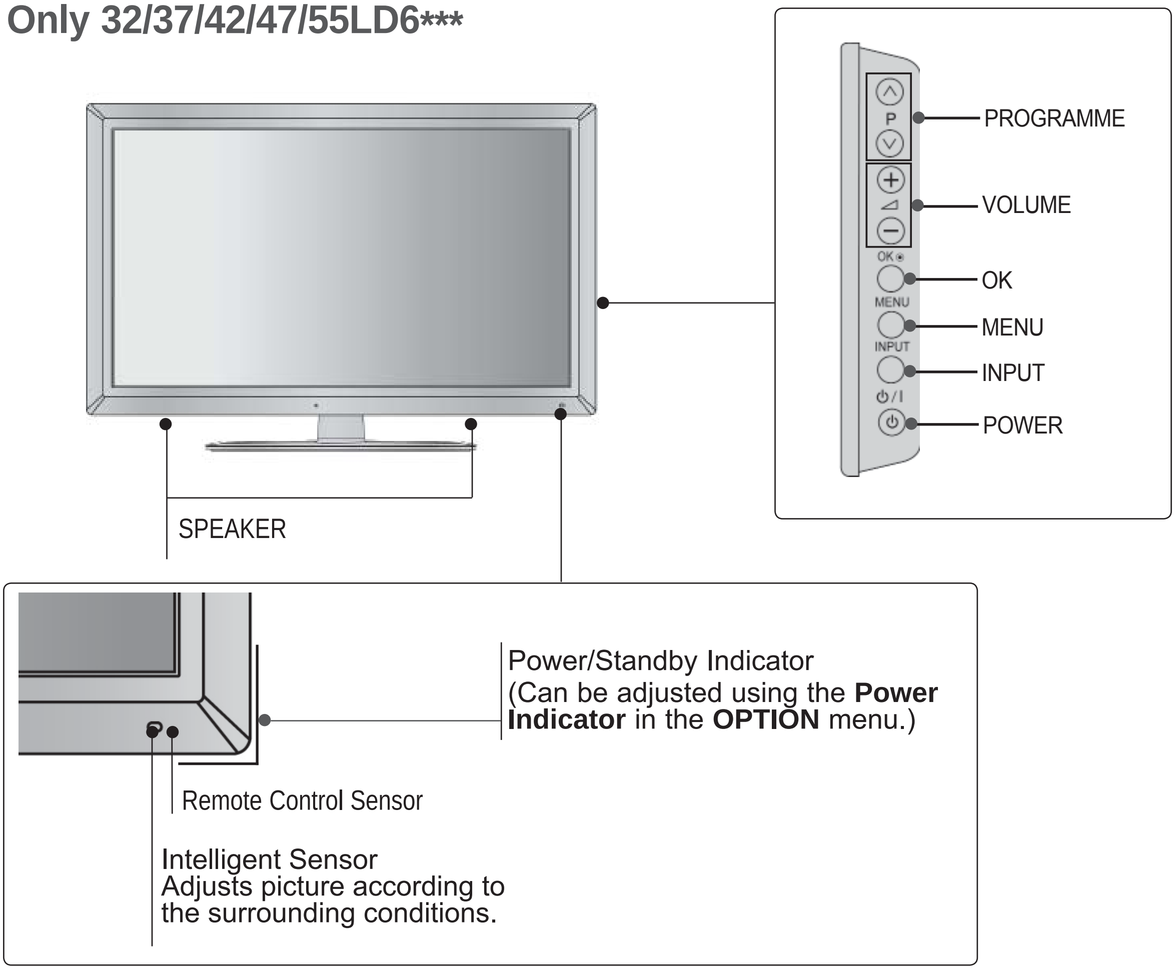
  The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and this will reduce the overall running cost.

CAUTION

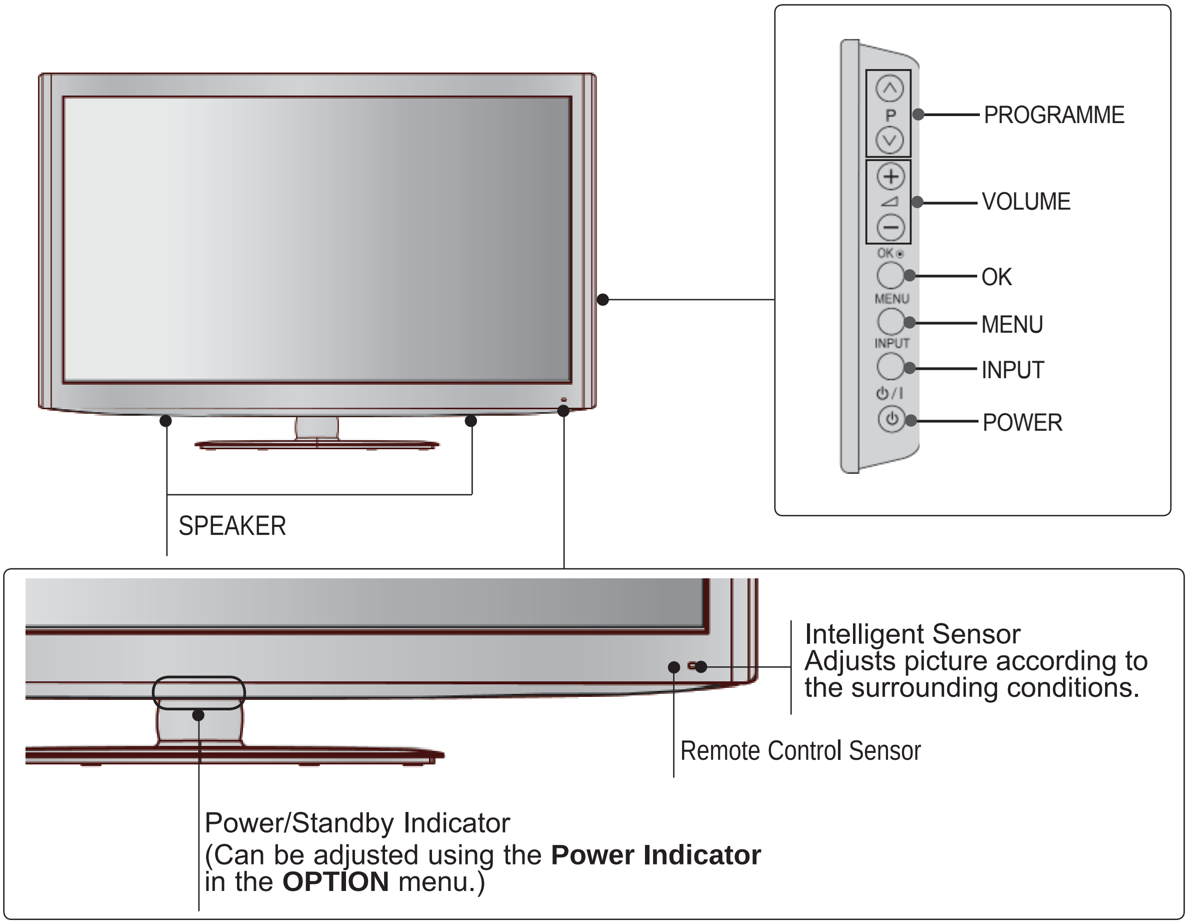
- ► Do not step on the glass stand or subject it to any impact. It may break, causing possible injury from fragments of glass, or the TV may fall.
- ► Do not drag the TV. The floor or the product may be damaged.

- ■ Image shown may differ from your TV.

Only 32/37/42/47/55LD6***

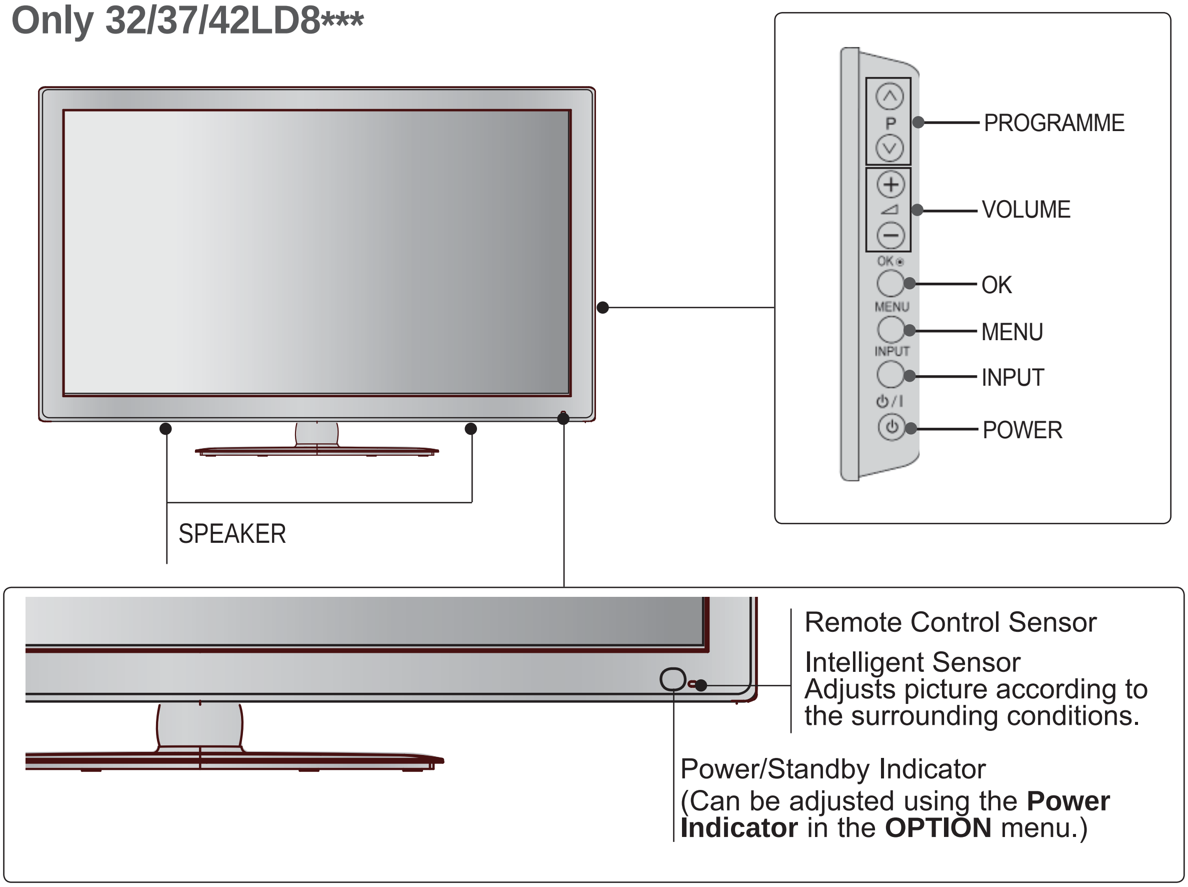

P
OK
MENU
INPUT
PROGRAMME
VOLUME
OK
MENU
INPUT
POWER
SPEAKER
Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)
Remote Control Sensor
Intelligent Sensor
Adjusts picture according to
the surrounding conditions.

Only 32/42/47LD7***


P
OK
MENU
INPUT
PROGRAMME
VOLUME
OK
MENU
INPUT
POWER
SPEAKER
Intelligent Sensor
Adjusts picture according to the surrounding conditions.
Remote Control Sensor
Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

PREPARATION

Only 32/37/42LD8***

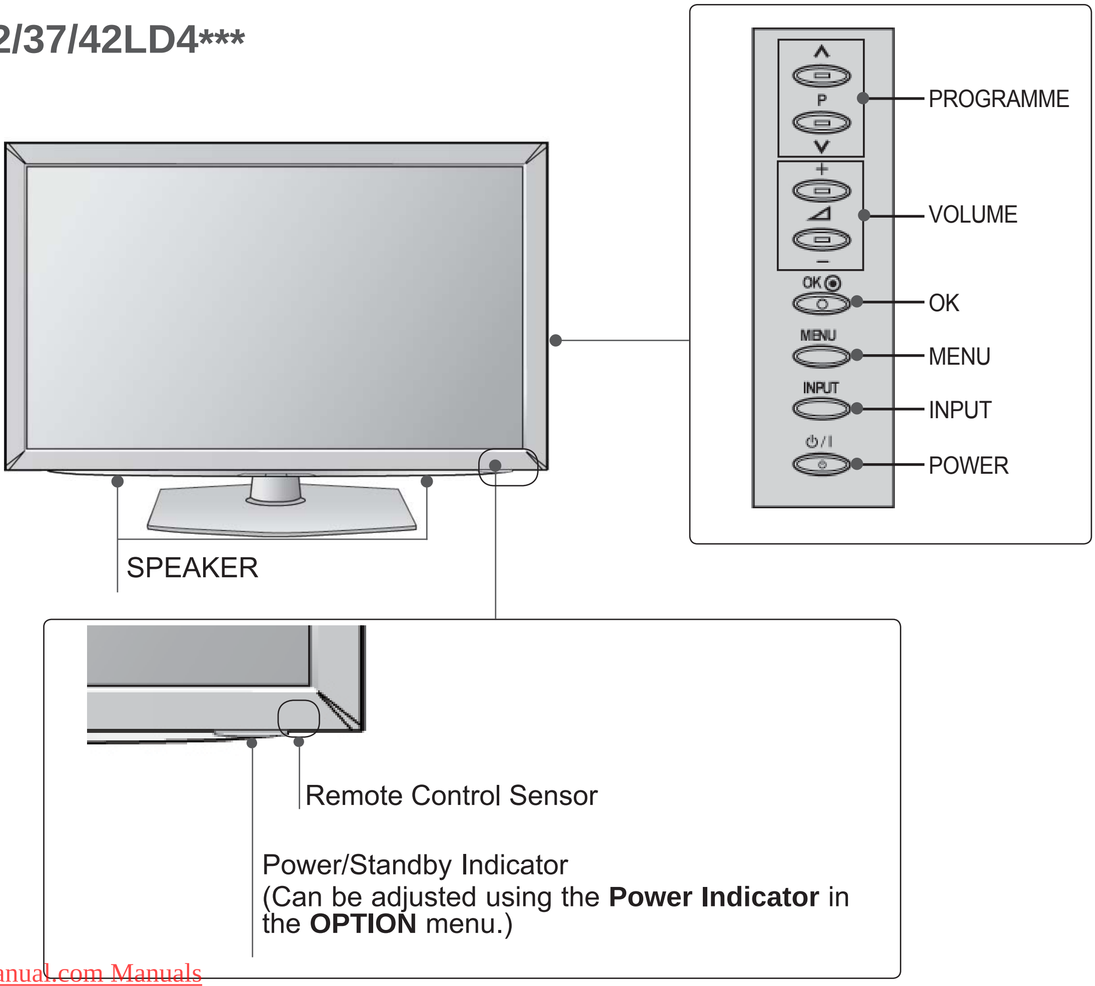

PROGRAMME
VOLUME
OK
MENU
INPUT
POWER
SPEAKER
P
OK
MENU
INPUT

Remote Control Sensor

Intelligent Sensor
Adjusts picture according to the surrounding conditions.

Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

Only 32/37/42LD4***

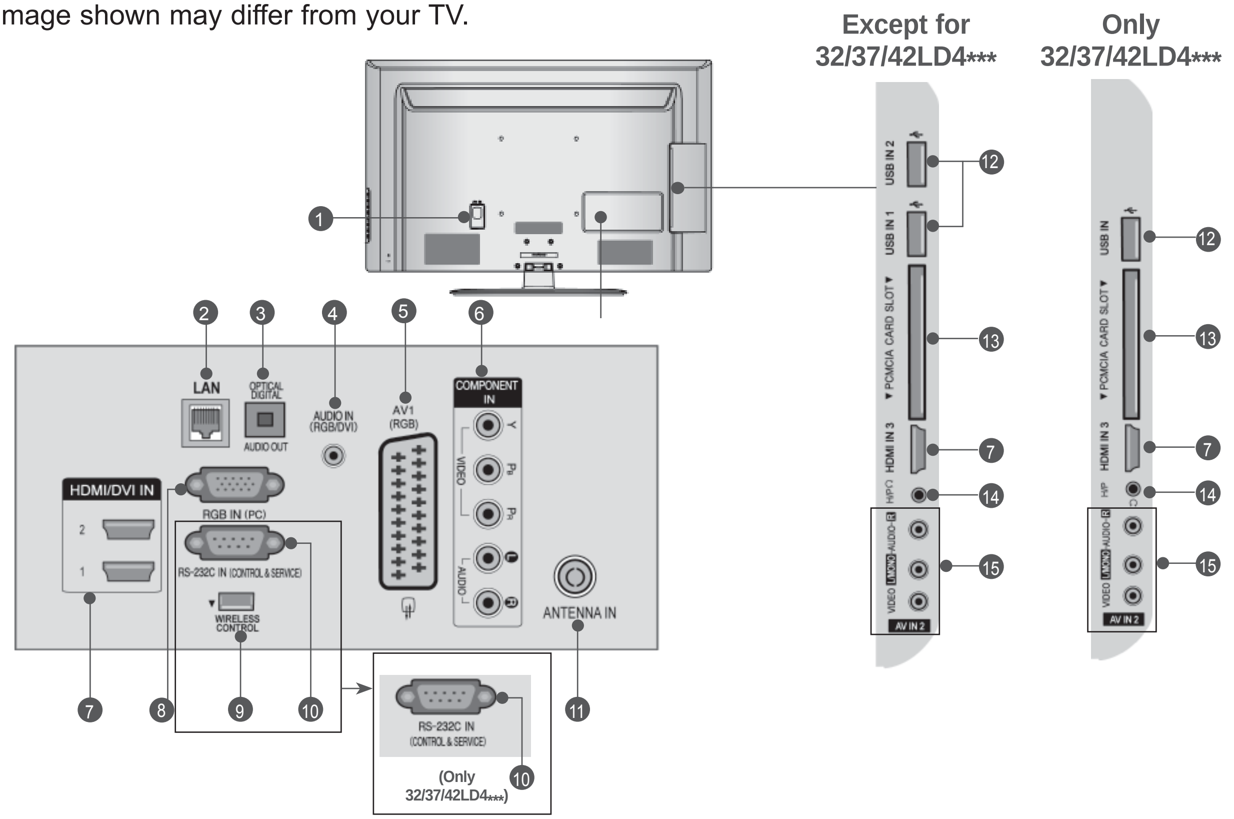

PROGRAMME
VOLUME
OK
MENU
INPUT
POWER
SPEAKER
P
OK
MENU
INPUT

Remote Control Sensor

Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

BACK PANEL INFORMATION

- Image shown may differ from your TV.


Except for 32/37/42LD4***
Only 32/37/42LD4***
1
2
3
4
5
6
LAN
OPTICAL DIGITAL AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN
VIDEO
AUDIO
HDMI/DVI IN
2
1
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
ANTENNA IN
7
8
9
10
11
RS-232C IN (CONTROL & SERVICE)
(Only 32/37/42LD4***)
10
USB IN 2
USB IN 1
USB IN
PCMCIA CARD SLOT
HDMI IN 3
H/P
VIDEO (MONO) AUDIO R
AV IN 2
12
13
7
14
15

1. **Power Cord Socket**
   This TV operates on an AC power. The voltage is indicated on the Specifications page. (▶ p.184 to 200) Never attempt to operate the TV on DC power.

2. **LAN**
   Network connection for AccuWeather, Picasa, YouTube, etc.
   Also used for video, photo and music files on a local network.

3. **OPTICAL DIGITAL AUDIO OUT**
   Connect digital audio to various types of equipment.
   Connect to a Digital Audio Component.
   Use an Optical audio cable.

4. **RGB/DVI Audio Input**
   Connect the audio from a PC or DTV.

5. **Euro Scart Socket (AV1)**
   Connect scart socket input or output from an external device to these jacks.

6. **Component Input**
   Connect a component video/audio device to these jacks.

7. **HDMI/DVI IN Input**
   Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

8. **RGB IN Input**
   Connect the output from a PC.

9. **WIRELESS Control (Except for 32/37/42LD4***)**
   Connect the Wireless Ready Dongle to the TV to control the external input devices connected to Wireless Media Box wirelessly.

10. **RS-232C IN (CONTROL & SERVICE) PORT**
    Connect to the RS-232C port on a PC.
    This port is used for Service or Hotel mode.

11. **Antenna Input**
    Connect antenna or cable to this jack.

12. **USB Input**
    Connect USB storage device to this jack.

13. **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
    Insert the CI Module to **PCMCIA CARD SLOT**.
    (This feature is not available in all countries.)

14. **Headphone Socket**
    Plug the headphone into the headphone socket.

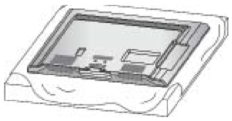
15. **Audio/Video Input**
    Connect audio/video output from an external device to these jacks.

STAND INSTALLATION

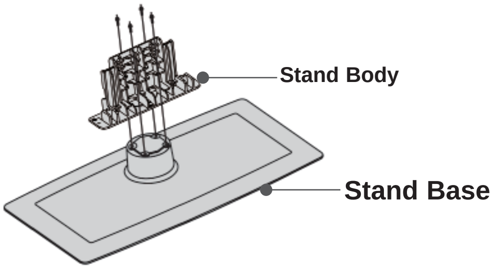
- Image shown may differ from your TV.

When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

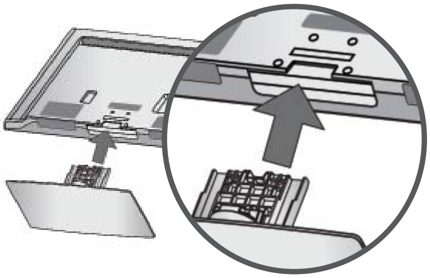
1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



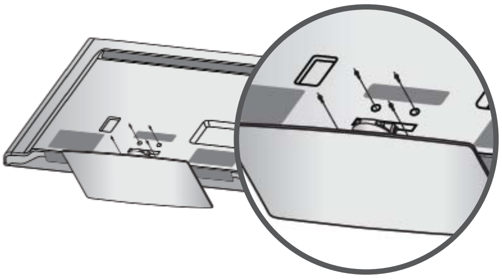
2 Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.



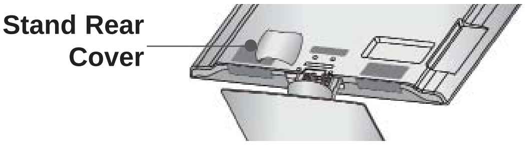
3 Assemble the TV as shown.



4 Fix the 4 bolts securely using the holes in the back of the TV.



5 Assemble the parts of the **Stand Rear Cover** with the TV. (Only 32/42/47LD7***, 32/37/42LD8***)

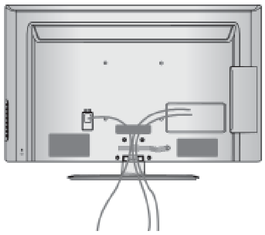


BACK COVER FOR WIRE ARRANGEMENT

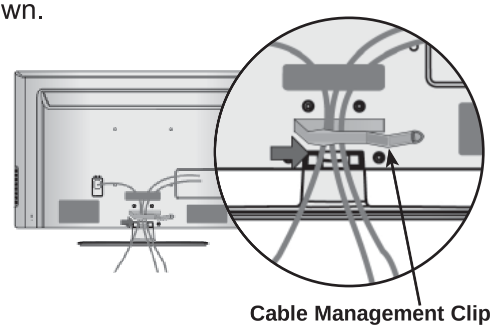
- Image shown may differ from your TV.

1 Connect the cables as necessary.

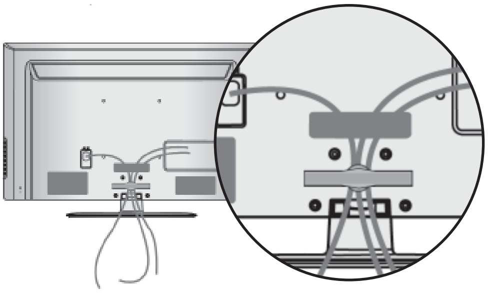
To connect additional equipment, see the **External Equipment Setup** section.



2 Open the **Cable Management Clip** as shown.



3 Fit the **Cable Management Clip** as shown.



NOTE

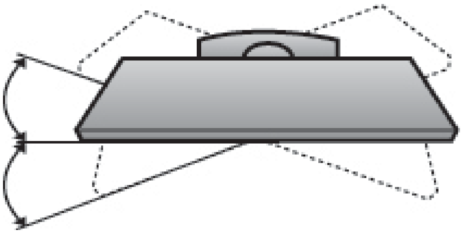
► Do not use the **Cable Management Clip** to lift the TV.

- If the TV is dropped, you may be injured or the TV may be damaged.

SWIVEL STAND

- Image shown may differ from your TV.

After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.

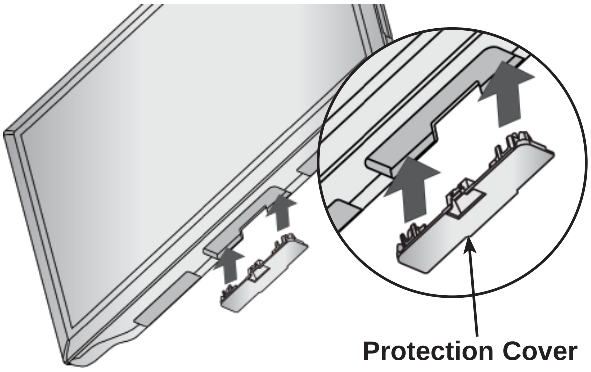


NOT USING THE DESK-TYPE STAND

- Image shown may differ from your TV.

When installing the wall-mounted unit, use the protection cover.

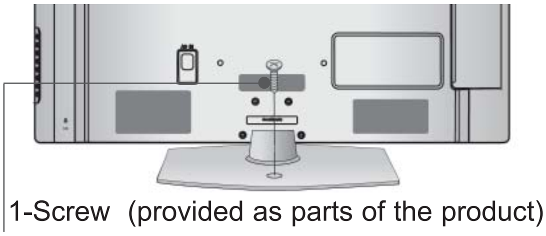
Insert the **Protection Cover** into the TV until clicking sound.

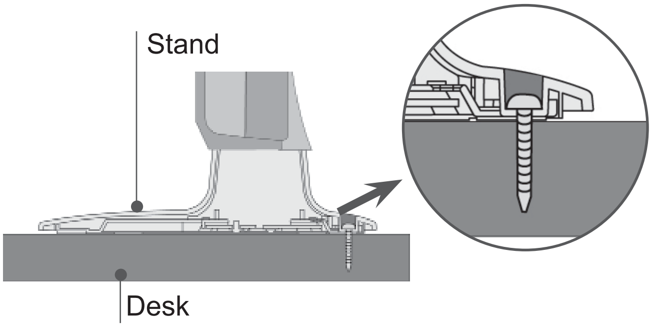


ATTACHING THE TV TO A DESK (Only 32/37/42LD4***, 32/37/42LD6***, 32/42LD7***, 32/37/42LD8***)

- Image shown may differ from your TV.

The TV must be attached to desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the product. Use only an attached screw.





WARNING

► To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury.

KENSINGTON SECURITY SYSTEM

- This feature is not available for all models.
- Image shown may differ from your TV.

The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.

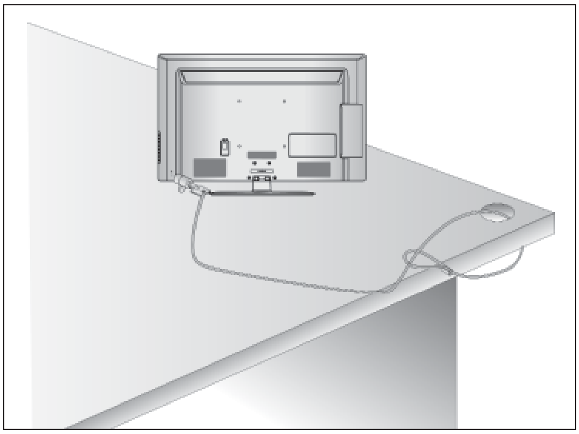
For the detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.

For further information, contact http://www.kensington.com, the internet homepage of the Kensington

company. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

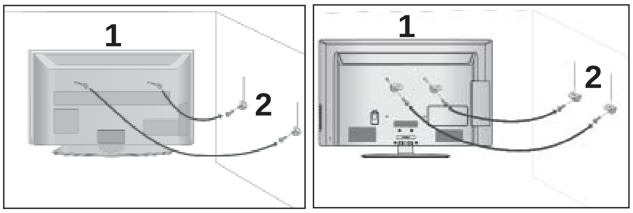
NOTE

- ▶ The Kensington Security System is an optional accessory.
- ▶ If the TV feels cold to the touch, there may be a small "flicker" when it is turned on.
  This is normal, there is nothing wrong with TV.
- ▶ Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- ▶ Avoid touching the LCD screen or holding your finger(s) against it for long periods of time.
  Doing so may produce some temporary distortion effects on the screen.



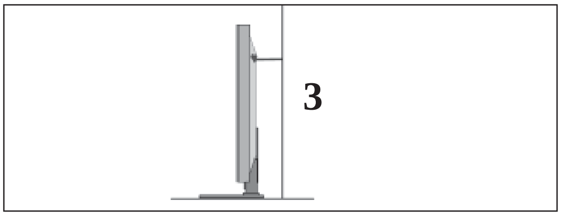
CAREFUL INSTALLATION ADVICE

- You should purchase necessary components to fix the TV safety and secure to the wall on the market.
- Position the TV close to the wall to avoid the possibility of it falling when pushed.
- The instructions shown below are a safer way to set up the TV, by fixing it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.



1. Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
   (If your TV has bolts in the eyebolts, loosen then bolts.)
   * Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

2. Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



3. Use a sturdy rope to tie the product for alignment. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

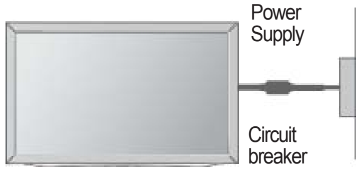
- ▶ When moving the TV undo the cords first.
- ▶ Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ▶ To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

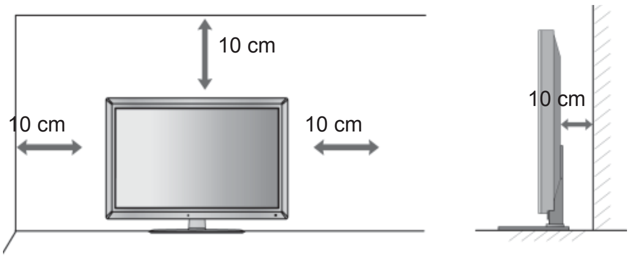
Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.



DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For adequate ventilation allow a clearance of 10 cm all around the TV.

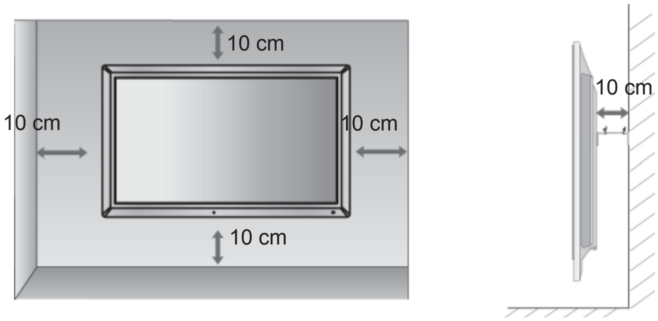


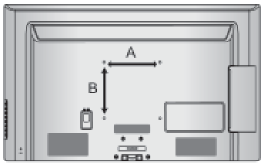
WALL MOUNT: HORIZONTAL INSTALLATION

- We recommend the use of a LG Brand wall mounting bracket when mounting the TV to a wall.
- We recommend that you purchase a wall mounting bracket which supports VESA standard.
- LG recommends that wall mounting be performed by a qualified professional installer.

NOTE

- ▶ Should Install wall mount on a solid wall perpendicular to the floor.
- ▶ Should use a special wall mount, if you want to install it to ceiling or slanted wall.
- ▶ The surface that wall mount is to be mounted on should be of sufficient strength to support the weight of TV set; e.g. concrete, natural rock, brick and hollow block.
- ▶ Installing screw type and length depends on the wall mount used. Further information, refer to the instructions included with the mount.
- ▶ LG is not liable for any accidents or damage to property or TV due to incorrect installation:
  - Where a non-compliant VESA wall mount is used.
  - Incorrect fastening of screws to surface which may cause TV to fall and cause personal injury.
  - Not following the recommended Installation method.



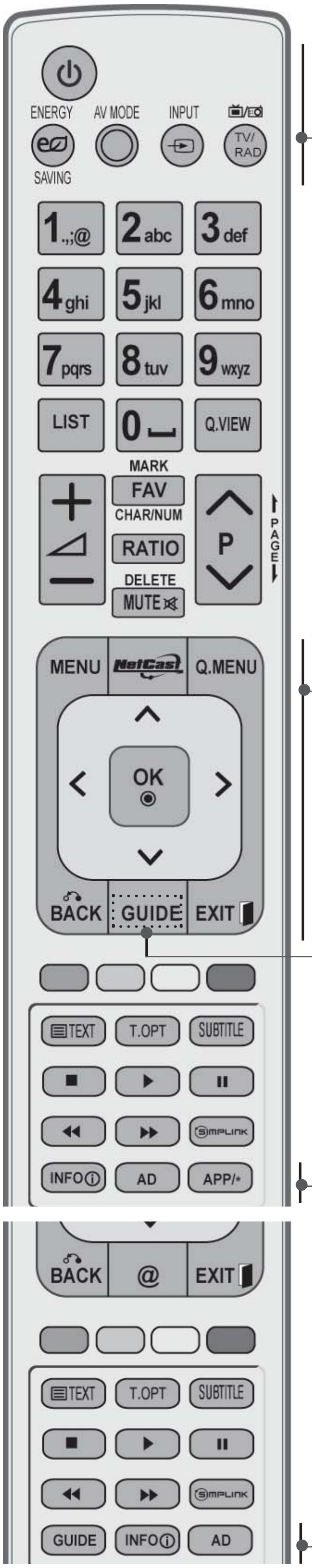


Model	VESA (A * B)	Standard Screw	Quantity
32LD4***	200 * 100	M4	4
37/42LD4***	200 * 200	M6	4
32LD6***	200 * 100	M4	4
37/42/47LD6***	200 * 200	M6	4
55LD6***	400 * 400	M6	4
32LD7***	200 * 100	M4	4
42/47LD7***	200 * 200	M6	4
32LD8***	200 * 100	M4	4
37/42LD8***	200 * 200	M6	4

PREPARATION

REMOTE CONTROL KEY FUNCTIONS

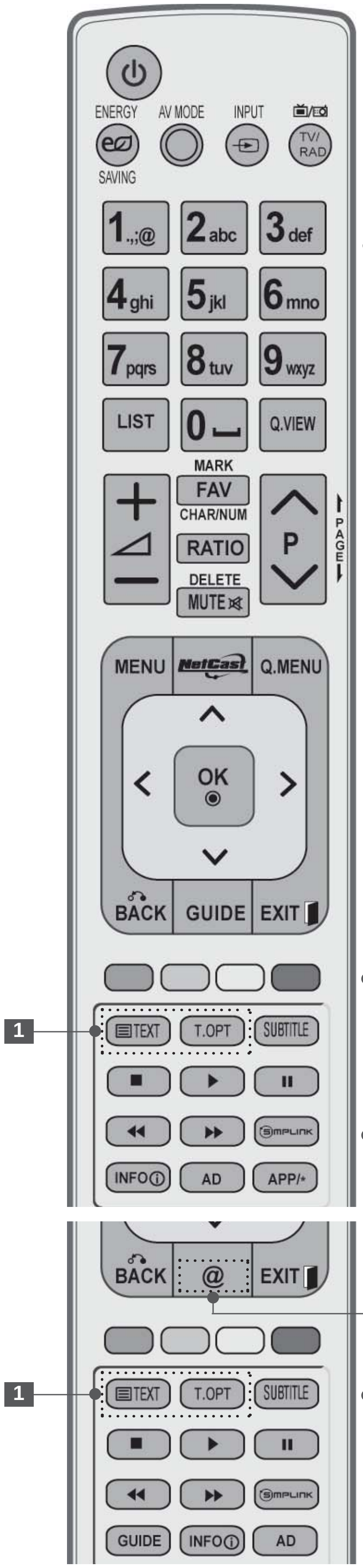
When using the remote control, aim it at the remote control sensor on the TV.


ENERGY
SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO ⓘ
AD
APP/*
BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO ⓘ
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 32/37/42LD48**, 32/37/42/47/55LD68**, 32/42/47LD78**, 32/37/42LD88**)


ENERGY
SAVING
AV MODE
INPUT
TV/
RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
1
BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD
1

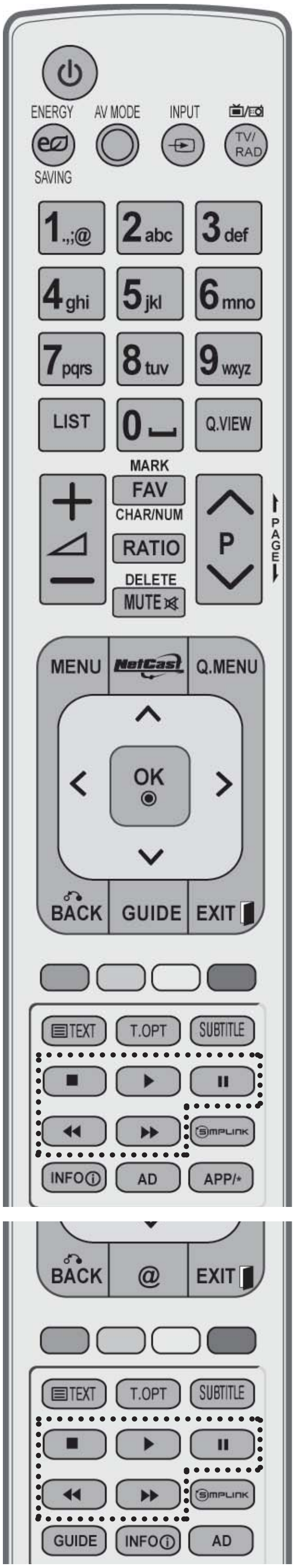
0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

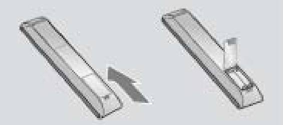
1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the 'Teletext' section. (▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.


ENERGY
SAVING
AV MODE
INPUT
TV/
RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
RATIO	Selects your desired Aspect Ratio of picture. (▶ **p.135**)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).
control buttons	

Installing Batteries



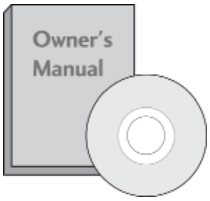
- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

LED LCD TV MODELS : 47/55LX9***

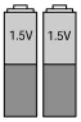
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

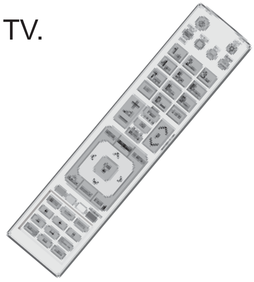
- Image shown may differ from your TV.



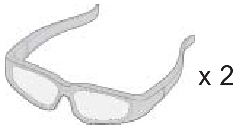
Owner's Manual



Batteries
(AAA)

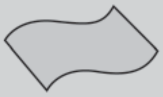


Remote Control



3D Glasses

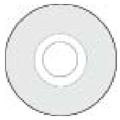
This item is not included for all models.



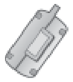
Polishing Cloth
Polishing cloth for use on the screen.

* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

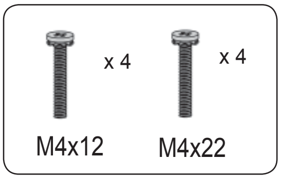
Do not use excessive force. This may cause scratching or discolouration.



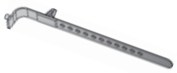
Nero MediaHome
4 Essentials CD



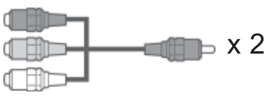
Ferrite Core
(This item is not included for all models.)



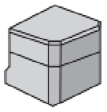
Bolts for stand assembly



Cable Holder



Component gender cable,
AV gender cable

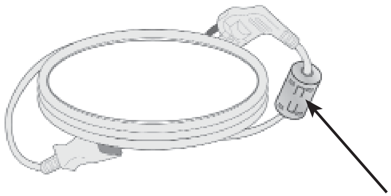


Stand Rear
Cover

Use of ferrite core (This feature is not available for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power cord.

The closer the location of the ferrite core to the power plug, the better it is.



Install the power plug closely.

PREPARATION

FRONT PANEL CONTROLS

NOTE

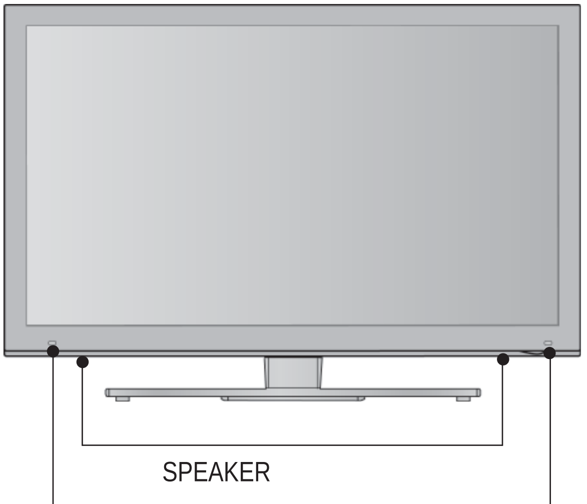
- ▶ TV can be placed in standby mode in order to reduce the power consumption. And TV should be switched off using the power switch on the TV if it will not be watched for some time, as this will reduce energy consumption.

The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and this will reduce the overall running cost.

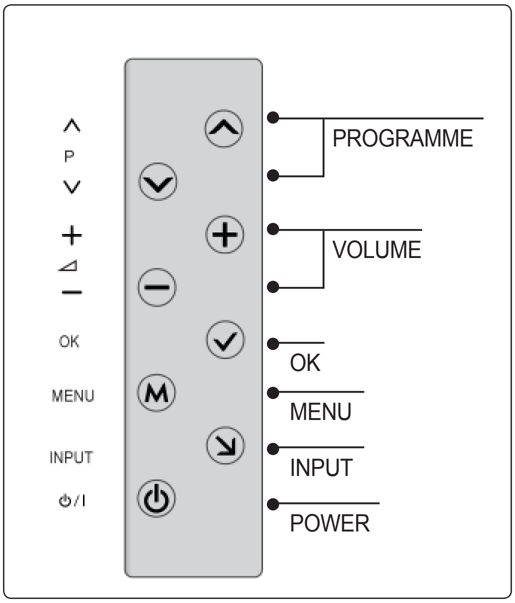
CAUTION

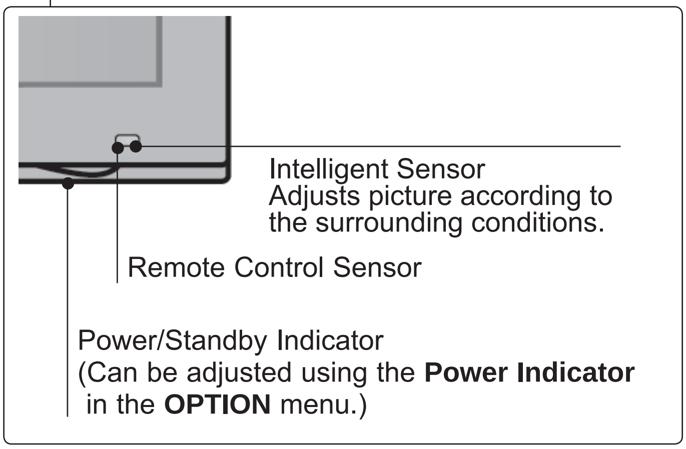
- ▶ Do not step on the glass stand or subject it to any impact. It may break, causing possible injury from fragments of glass, or the TV may fall.
- ▶ Do not drag the TV. The floor or the product may be damaged.

- Image shown may differ from your TV.



Emitter
It is the part equipped with the emitter exchanging signal with 3D glasses.
Please be careful not to block the screen with objects or people while watching a 3D Video.





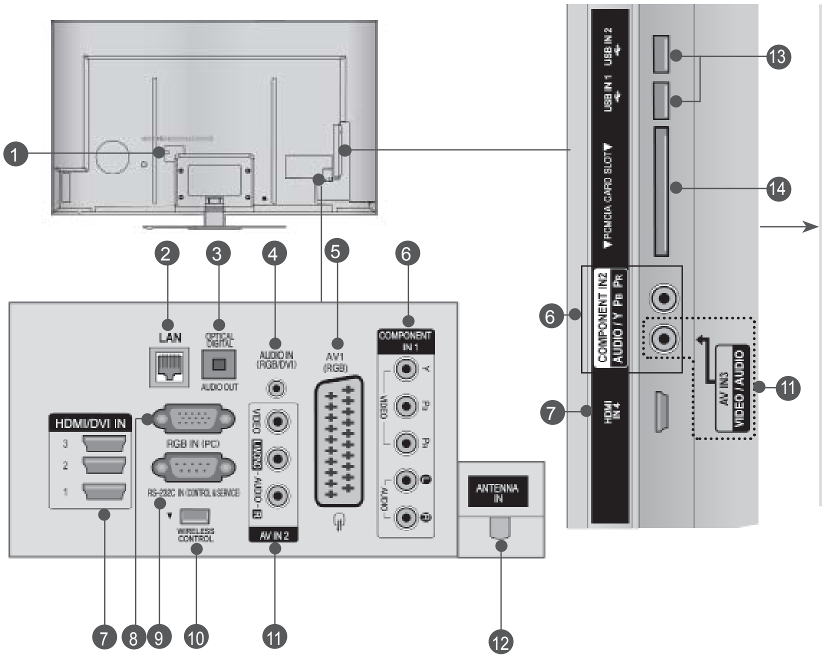
Intelligent Sensor
Adjusts picture according to the surrounding conditions.

Remote Control Sensor

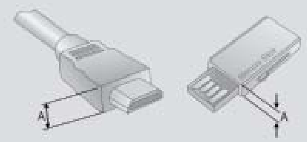
Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

BACK PANEL INFORMATION

- Image shown may differ from your TV.


①
② ③ ④ ⑤ ⑥
LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
HDMI/DVI IN
3
2
1
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
AUDIO
AV IN 2
ANTENNA IN
⑦ ⑧ ⑨ ⑩ ⑪ ⑫
USB IN 2
USB IN 1
PCMCIA CARD SLOT
COMPONENT IN2 AUDIO / Y Pb Pr
HDMI IN 4
AV IN3 VIDEO / AUDIO
⑥ ⑦ ⑪ ⑬ ⑭

⚠ CAUTION



▶ Use a product with the following thickness for optimal connection to HDMI cable (Only HDMI IN 4) / USB device.

*A ≦ 10 mm

① **Power Cord Socket**
This TV operates on an AC power. The voltage is indicated on the Specifications page. (▶ p.184 to 200) Never attempt to operate the TV on DC power.

② **LAN**
Network connection for AccuWeather, Picasa, YouTube, etc.
Also used for video, photo and music files on a local network.

③ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio to various types of equipment.
Connect to a Digital Audio Component.
Use an Optical audio cable.

④ **RGB/DVI Audio Input**
Connect the audio from a PC or DTV.

⑤ **Euro Scart Socket (AV1)**
Connect scart socket input or output from an external device to these jacks.

⑥ **Component Input**
Connect a component video/audio device to these jacks.

⑦ **HDMI/DVI IN Input**
Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

⑧ **RGB IN Input**
Connect the output from a PC.

⑨ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
This port is used for Service or Hotel mode.

⑩ **WIRELESS Control**
Connect the Wireless Ready Dongle to the TV to control the external input devices connected to Wireless Media Box wirelessly.

⑪ **Audio/Video Input**
Connect audio/video output from an external device to these jacks.

⑫ **Antenna Input**
Connect antenna or cable to this jack.

⑬ **USB Input**
Connect USB storage device to this jack.

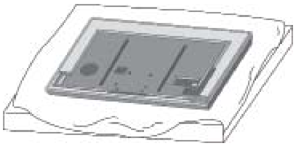
⑭ **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
Insert the CI Module to **PCMCIA CARD SLOT**.
(This feature is not available in all countries.)

STAND INSTALLATION

- Image shown may differ from your TV.

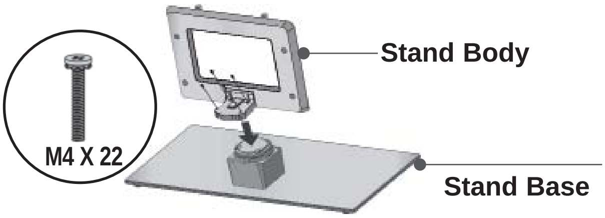
When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

1. Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.

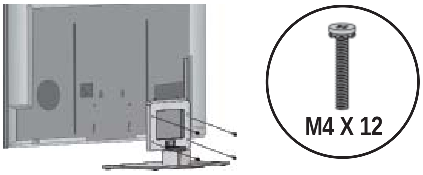


2. Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.

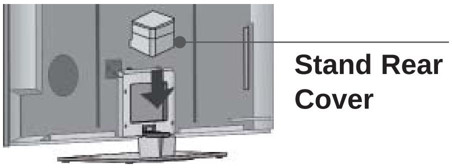
   At this time, tighten the screws that hold the **Stand Body** on.



3. Fix the 4 bolts securely using the holes in the back of the TV.



4. Assemble the parts of the **Stand Rear Cover** with the TV.

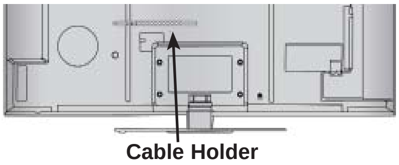


BACK COVER FOR WIRE ARRANGEMENT

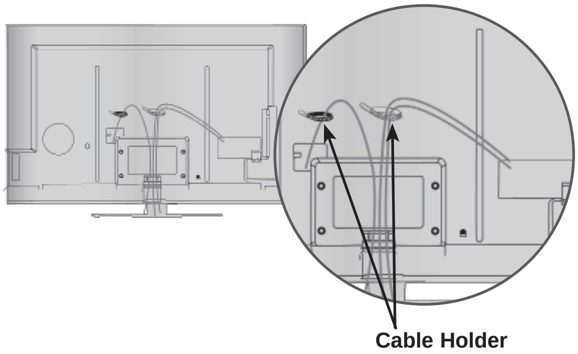
- Image shown may differ from your TV.

1. Secure the power cord with the **Cable Holder** on the TV back cover.

   It will help prevent the power cable from being removed by accident.



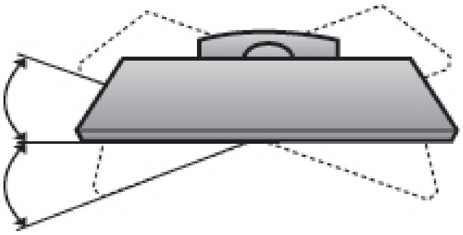
2. After connecting the cables as necessary, install **Cable Holder** as shown and bundle the cables.



SWIVEL STAND

- Image shown may differ from your TV.

After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.



KENSINGTON SECURITY SYSTEM

- This feature is not available for all models.
- Image shown may differ from your TV.

The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.

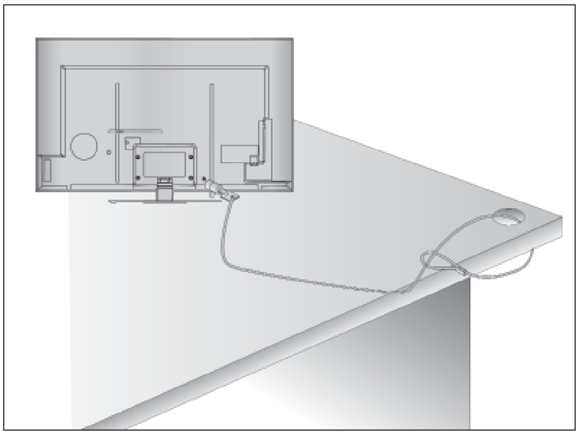
For the detailed installation and use of the Kensington Security System, refer to the user’s guide provided with the Kensington Security System.

For further information, contact http://www.kensington.com, the internet homepage of the Kensington

company. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

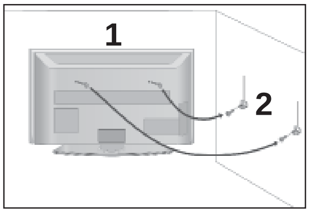
NOTE

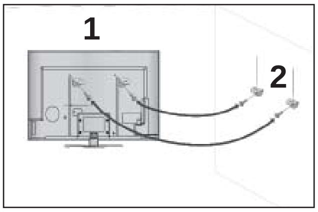
- ▶ The Kensington Security System is an optional accessory.
- ▶ If the TV feels cold to the touch, there may be a small “flicker” when it is turned on.
  This is normal, there is nothing wrong with TV.
- ▶ Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- ▶ Avoid touching the LCD screen or holding your finger(s) against it for long periods of time.
  Doing so may produce some temporary distortion effects on the screen.



CAREFUL INSTALLATION ADVICE

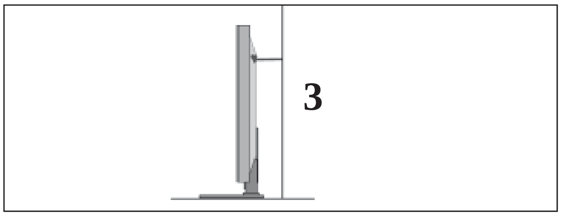
- You should purchase necessary components to fix the TV safety and secure to the wall on the market.
- Position the TV close to the wall to avoid the possibility of it falling when pushed.
- The instructions shown below are a safer way to set up the TV, by fixing it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.





1. Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
   (If your TV has bolts in the eyebolts, loosen then bolts.)
   * Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

2. Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



3. Use a sturdy rope to tie the product for alignment. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

- ▶ When moving the TV undo the cords first.
- ▶ Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ▶ To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

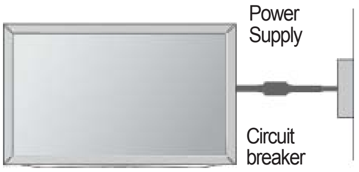
PREPARATION

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

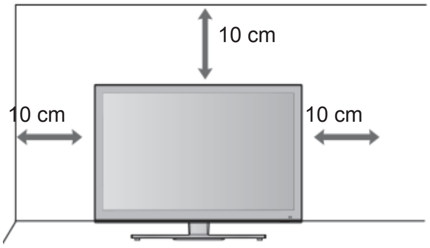
Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.

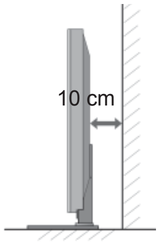


DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For adequate ventilation allow a clearance of 10 cm all around the TV.



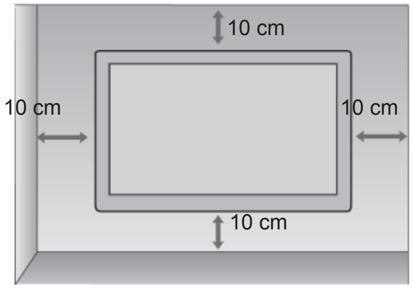


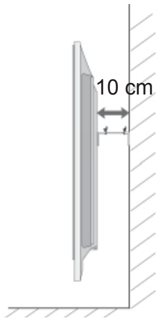
WALL MOUNT: HORIZONTAL INSTALLATION

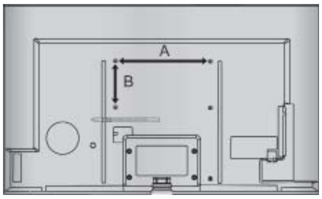
- We recommend the use of a LG Brand wall mounting bracket when mounting the TV to a wall.
- We recommend that you purchase a wall mounting bracket which supports VESA standard.
- LG recommends that wall mounting be performed by a qualified professional installer.

NOTE

- ▶ Should Install wall mount on a solid wall perpendicular to the floor.
- ▶ Should use a special wall mount, if you want to install it to ceiling or slanted wall.
- ▶ The surface that wall mount is to be mounted on should be of sufficient strength to support the weight of TV set; e.g. concrete, natural rock, brick and hollow block.
- ▶ Installing screw type and length depends on the wall mount used. Further information, refer to the instructions included with the mount.
- ▶ LG is not liable for any accidents or damage to property or TV due to incorrect installation:
  - Where a non-compliant VESA wall mount is used.
  - Incorrect fastening of screws to surface which may cause TV to fall and cause personal injury.
  - Not following the recommended Installation method.



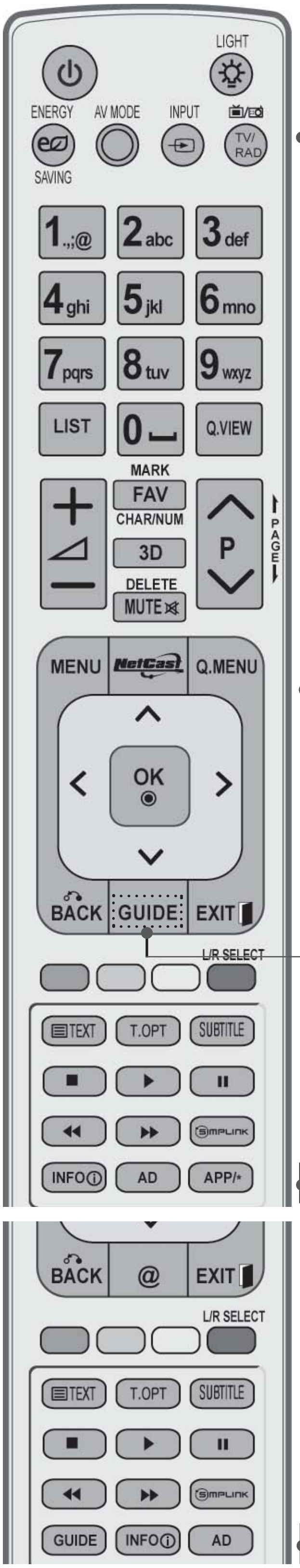




Model	VESA (A * B)	Standard Screw	Quantity
47LX9***	200 * 200	M6	4
55LX9***	400 * 400	M6	4

REMOTE CONTROL KEY FUNCTIONS

When using the remote control, aim it at the remote control sensor on the TV.

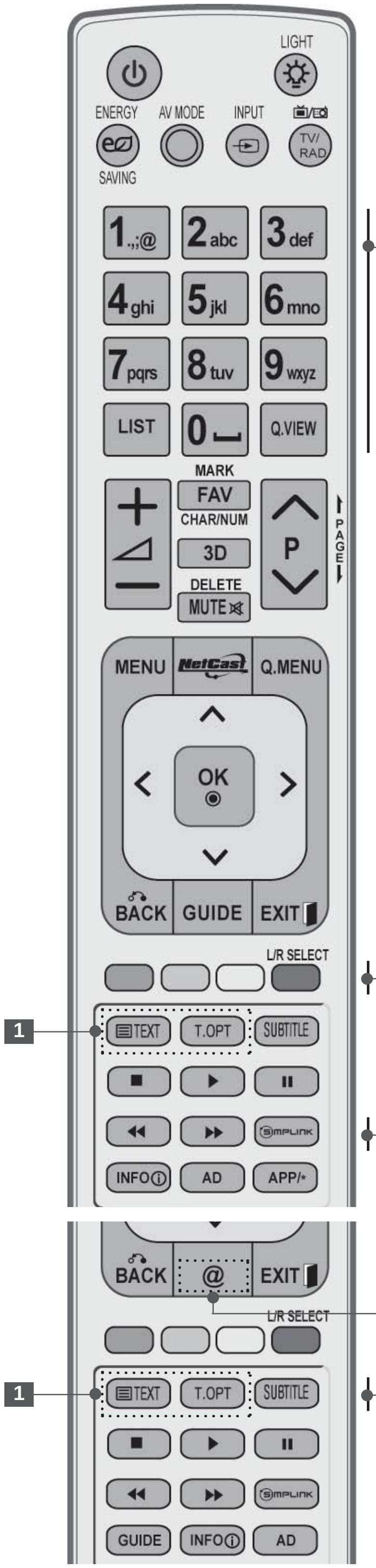

LIGHT
ENERGY
SAVING
AV MODE
INPUT
TV/
RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 47/55LX98**)

PREPARATION


LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
@
1

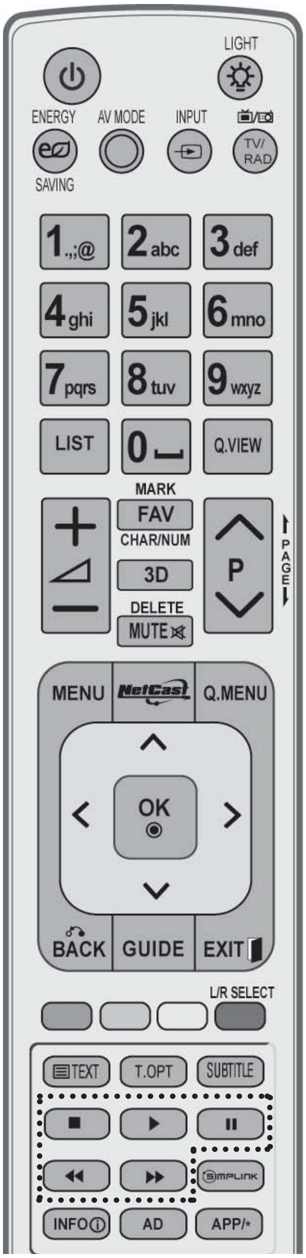
0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.
L/R SELECT	Use this to view 3D video. (▶ **p.89**)

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

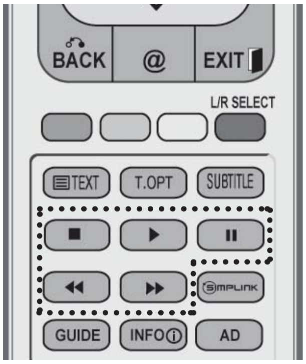
@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the ‘Teletext’ section. (▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.

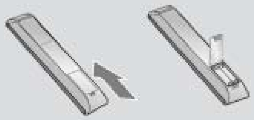

LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
3D	Use this to view 3D video. (► p.88)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).


BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

Installing Batteries



- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

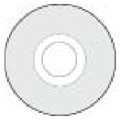
PREPARATION

LED LCD TV MODELS : 42/47LE73**

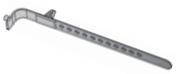
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

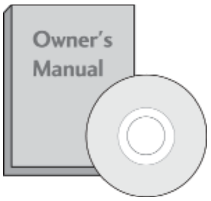
- Image shown may differ from your TV.



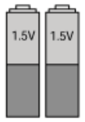
Nero MediaHome 4 Essentials CD



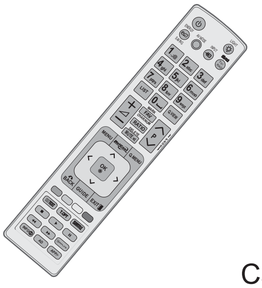
Cable Holder



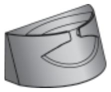
Owner's Manual



Batteries (AAA)

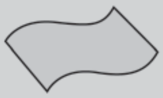


Remote Control



Cable Management Clip

This item is not included for all models.

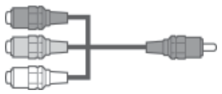


Polishing Cloth

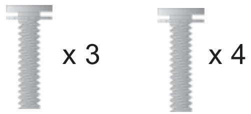
Polishing cloth for use on the screen.

* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

Do not use excessive force. This may cause scratching or discolouration.



Component gender cable, AV gender cable



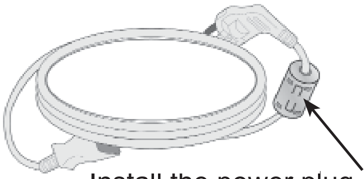
(M4 x 20) (M4 x 12)

Bolts for stand assembly

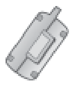
Use of ferrite core (This feature is not available for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power cord.

The closer the location of the ferrite core to the power plug, the better it is.



Install the power plug closely.



Ferrite Core

(This item is not included for all models.)

FRONT PANEL CONTROLS

NOTE

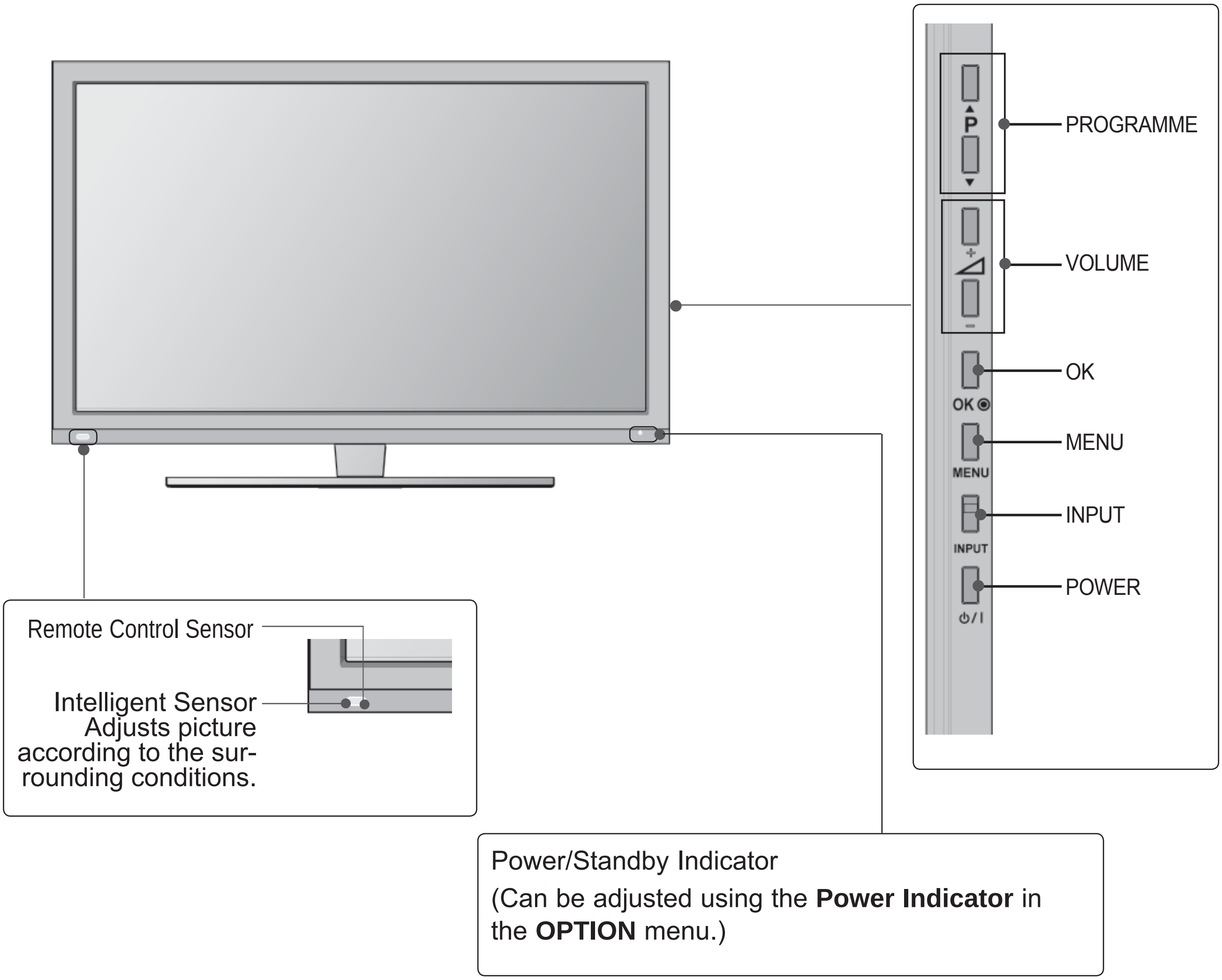
- ► TV can be placed in standby mode in order to reduce the power consumption. And TV should be switched off using the power switch on the TV if it will not be watched for some time, as this will reduce energy consumption.

The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and this will reduce the overall running cost.

CAUTION

- ► Do not step on the glass stand or subject it to any impact. It may break, causing possible injury from fragments of glass, or the TV may fall.
- ► Do not drag the TV. The floor or the product may be damaged.

■ Image shown may differ from your TV.

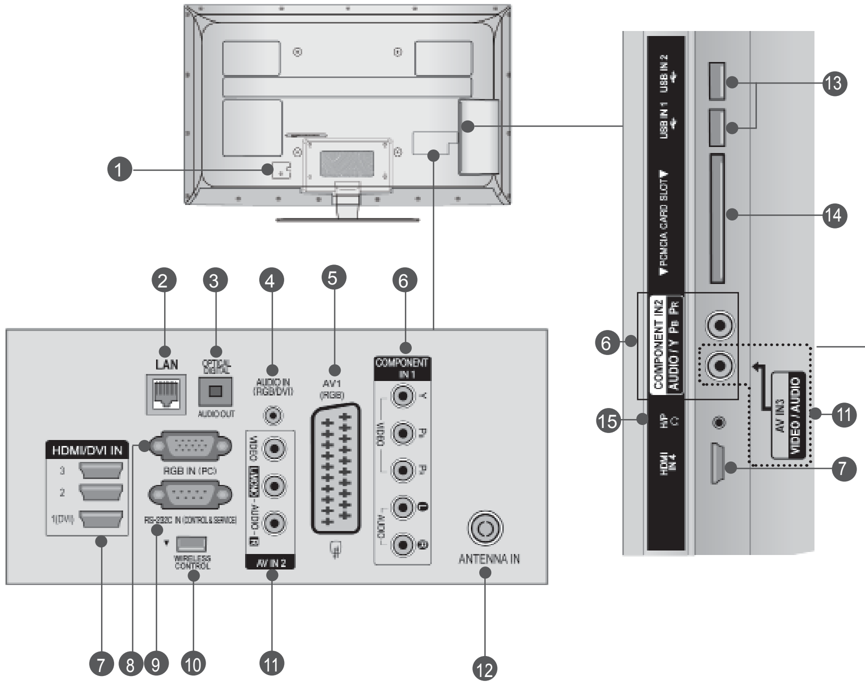

PROGRAMME
VOLUME
OK
MENU
INPUT
POWER
P
OK
MENU
INPUT
Remote Control Sensor
Intelligent Sensor

Intelligent Sensor Adjusts picture according to the surrounding conditions.

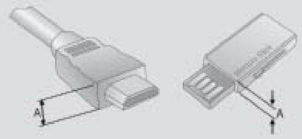
Power/Standby Indicator
(Can be adjusted using the **Power Indicator** in the **OPTION** menu.)

BACK PANEL INFORMATION

- Image shown may differ from your TV.


①
②
③
④
⑤
⑥
LAN
OPTICAL DIGITAL AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
HDMI/DVI IN
3
2
1(DVI)
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
AUDIO
AV IN 2
ANTENNA IN
⑦ ⑧ ⑨ ⑩ ⑪ ⑫
USB IN 1
USB IN 2
PCMCIA CARD SLOT
COMPONENT IN2
AUDIO / Y PB PR
H/P
HDMI IN 4
AV IN3
VIDEO / AUDIO
⑬
⑭
⑥
⑮
⑪
⑦

⚠CAUTION



▶ Use a product with the following thickness for optimal connection to HDMI cable (Only HDMI IN 4) / USB device.
*A ≦ 10 mm

① **Power Cord Socket**
This TV operates on an AC power. The voltage is indicated on the Specifications page. (▶ p.184 to 200) Never attempt to operate the TV on DC power.

② **LAN**
Network connection for AccuWeather, Picasa, YouTube, etc.
Also used for video, photo and music files on a local network.

③ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio to various types of equipment.
Connect to a Digital Audio Component.
Use an Optical audio cable.

④ **RGB/DVI Audio Input**
Connect the audio from a PC or DTV.

⑤ **Euro Scart Socket (AV1)**
Connect scart socket input or output from an external device to these jacks.

⑥ **Component Input**
Connect a component video/audio device to these jacks.

⑦ **HDMI/DVI IN Input**
Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

⑧ **RGB IN Input**
Connect the output from a PC.

⑨ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
This port is used for Service or Hotel mode.

⑩ **WIRELESS Control**
Connect the Wireless Ready Dongle to the TV to control the external input devices connected to Wireless Media Box wirelessly.

⑪ **Audio/Video Input**
Connect audio/video output from an external device to these jacks.

⑫ **Antenna Input**
Connect antenna or cable to this jack.

⑬ **USB Input**
Connect USB storage device to this jack.

⑭ **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
Insert the CI Module to **PCMCIA CARD SLOT**.
(This feature is not available in all countries.)

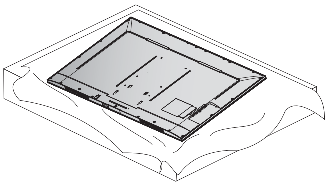
⑮ **Headphone Socket**
Plug the headphone into the headphone socket.

STAND INSTALLATION

■ Image shown may differ from your TV.

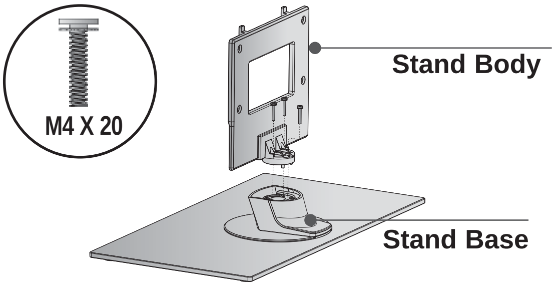
When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.

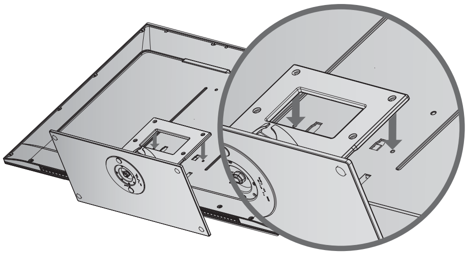


2 Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.

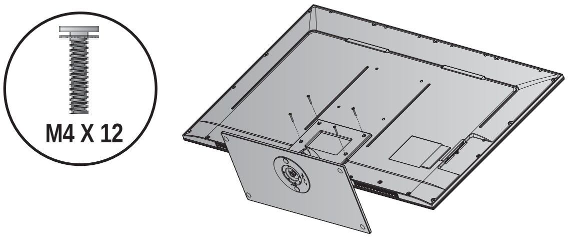
At this time, tighten the screws that hold the **Stand Body** on.



3 Assemble the TV as shown.



4 Fix the 4 bolts securely using the holes in the back of the TV.

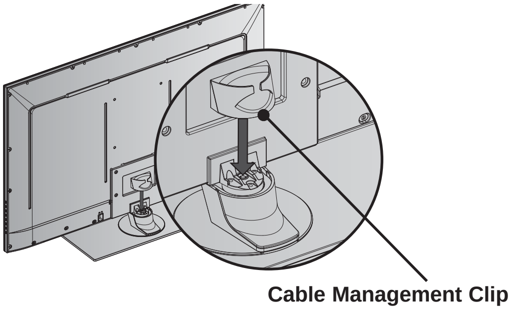


BACK COVER FOR WIRE ARRANGEMENT

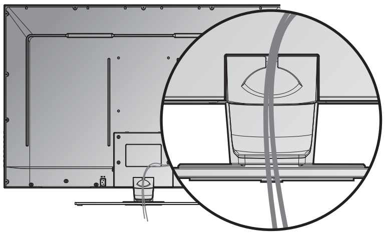
■ Image shown may differ from your TV.

FOR DESK-TYPE STAND

1 Install the **Cable Management Clip** as shown.

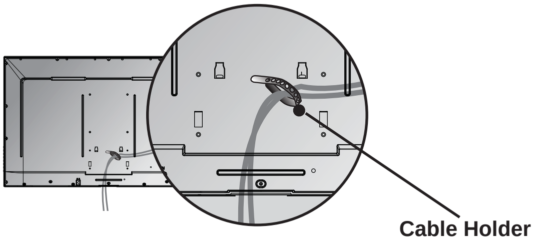


2 Connect the cables as necessary. To connect additional equipment, see the **External Equipment Setup** section.



FOR WALL MOUNT

1 After Connecting the cables as necessary, install **Cable Holder** as shown and bundle the cables. To connect additional equipment, see the **External Equipment Setup** section.



NOTE

► Do not use the **Cable Management Clip** to lift the TV.

- If the TV is dropped, you may be injured or the TV may be damaged.

KENSINGTON SECURITY SYSTEM

- This feature is not available for all models.
- Image shown may differ from your TV.

The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.

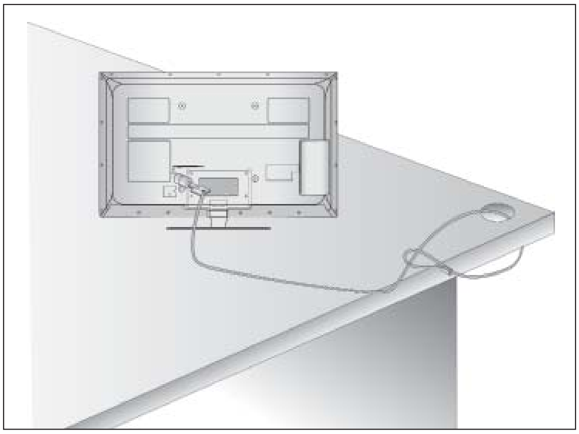
For the detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.

For further information, contact http://www.kensington.com, the internet homepage of the Kensington

company. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

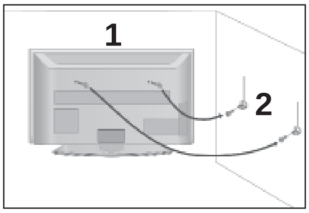
NOTE

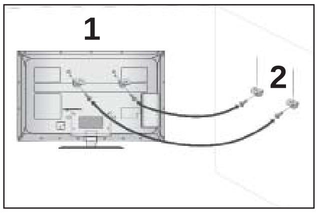
- ▶ The Kensington Security System is an optional accessory.
- ▶ If the TV feels cold to the touch, there may be a small "flicker" when it is turned on.
  This is normal, there is nothing wrong with TV.
- ▶ Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- ▶ Avoid touching the LCD screen or holding your finger(s) against it for long periods of time.
  Doing so may produce some temporary distortion effects on the screen.



CAREFUL INSTALLATION ADVICE

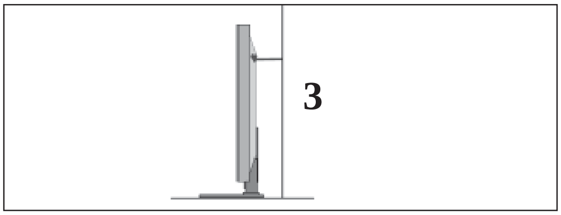
- You should purchase necessary components to fix the TV safety and secure to the wall on the market.
- Position the TV close to the wall to avoid the possibility of it falling when pushed.
- The instructions shown below are a safer way to set up the TV, by fixing it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.





① Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
(If your TV has bolts in the eyebolts, loosen then bolts.)
* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

② Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



③ Use a sturdy rope to tie the product for alignment. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

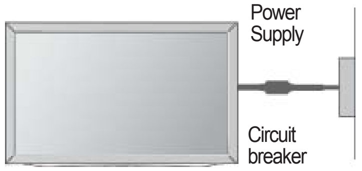
- ▶ When moving the TV undo the cords first.
- ▶ Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ▶ To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

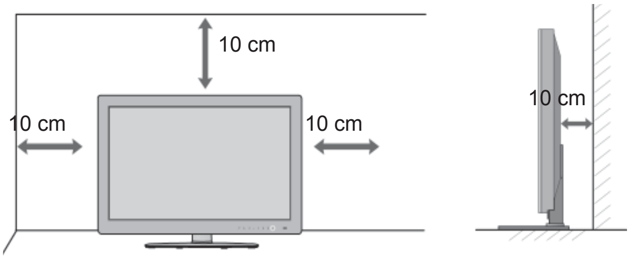
Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.



DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For adequate ventilation allow a clearance of 10 cm all around the TV.

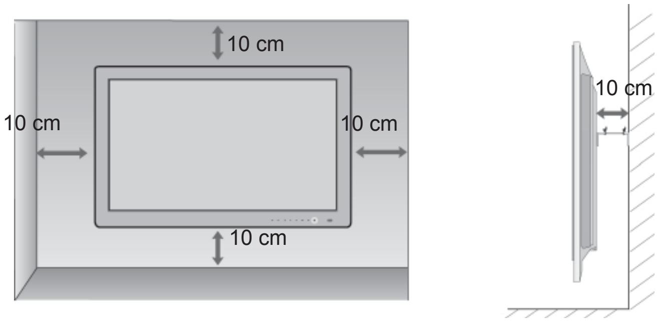


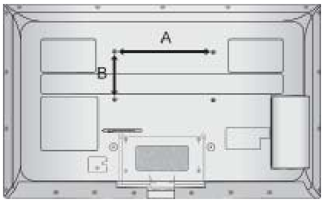
WALL MOUNT: HORIZONTAL INSTALLATION

- We recommend the use of a LG Brand wall mounting bracket when mounting the TV to a wall.
- We recommend that you purchase a wall mounting bracket which supports VESA standard.
- LG recommends that wall mounting be performed by a qualified professional installer.

NOTE

- ▶ Should Install wall mount on a solid wall perpendicular to the floor.
- ▶ Should use a special wall mount, if you want to install it to ceiling or slanted wall.
- ▶ The surface that wall mount is to be mounted on should be of sufficient strength to support the weight of TV set; e.g. concrete, natural rock, brick and hollow block.
- ▶ Installing screw type and length depends on the wall mount used. Further information, refer to the instructions included with the mount.
- ▶ LG is not liable for any accidents or damage to property or TV due to incorrect installation:
  - Where a non-compliant VESA wall mount is used.
  - Incorrect fastening of screws to surface which may cause TV to fall and cause personal injury.
  - Not following the recommended Installation method.



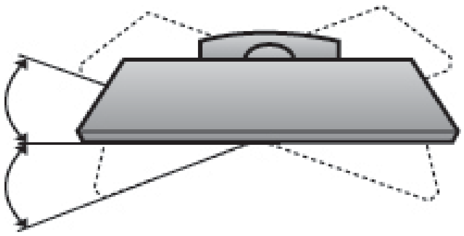


Model	VESA (A * B)	Standard Screw	Quantity
42/47LE73**	200 * 200	M6	4

SWIVEL STAND

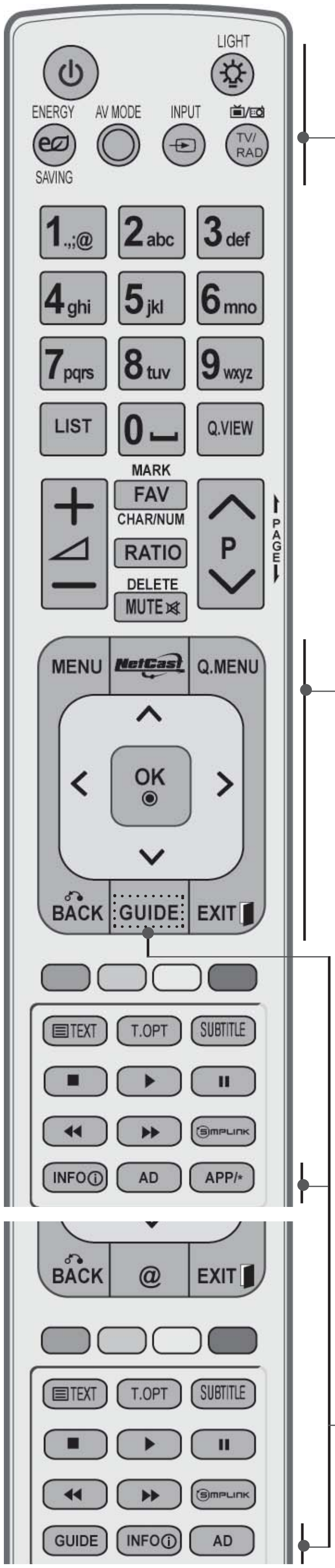
- Image shown may differ from your TV.

After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.



REMOTE CONTROL KEY FUNCTIONS

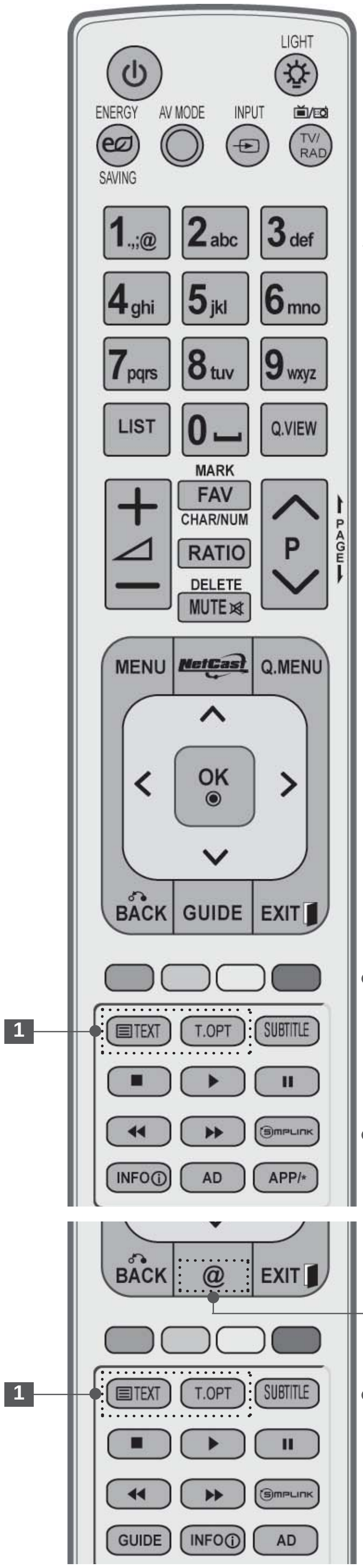
When using the remote control, aim it at the remote control sensor on the TV.


LIGHT
ENERGY
SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO ⓘ
AD
APP/*
BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO ⓘ
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 42/47LE7380)


LIGHT
ENERGY
SAVING
AV MODE
INPUT
TV/
RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/*
@
1

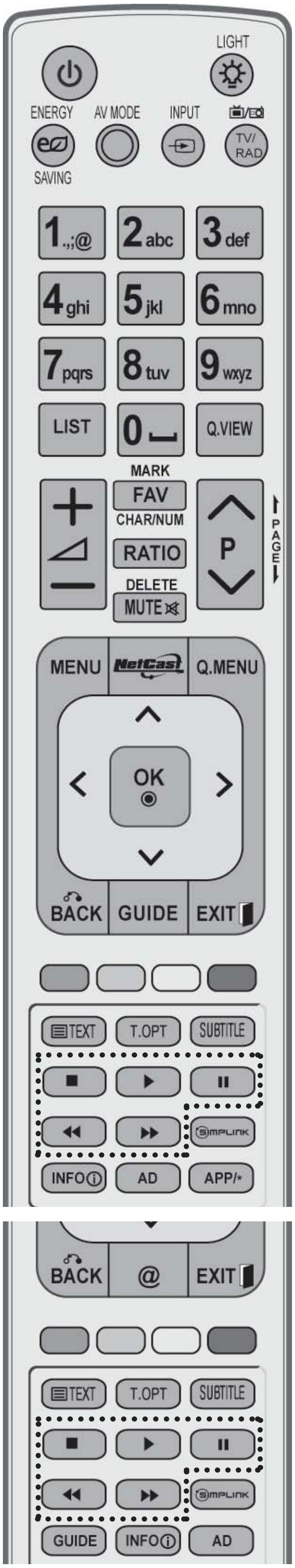
0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

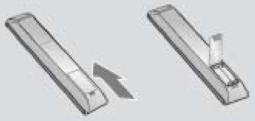
1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the ‘Teletext’ section. (▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.


LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
INFO
AD
APP/
BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
SIMPLINK
GUIDE
INFO
AD

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
RATIO	Selects your desired Aspect Ratio of picture. (▶ **p.135**)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).

Installing Batteries



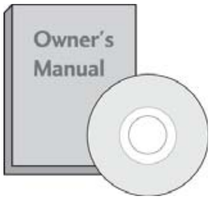
- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

PLASMA TV MODELS : 50/60PK5**, 50/60PK7***, 50/60PK9*** , 50/60PX9***

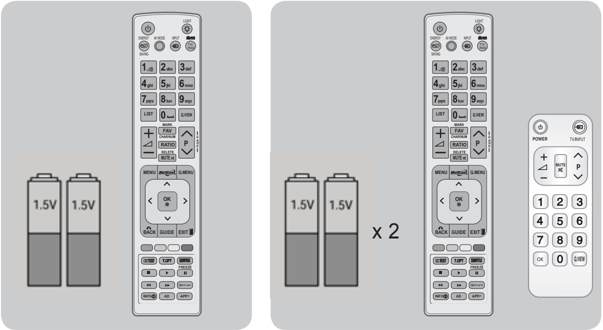
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

- Image shown may differ from your TV.



Owner's Manual

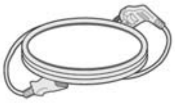


(Except for 50/60PK9***, 50/60PX9***)

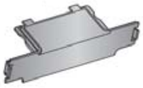
(Only 50/60PK9***, 50/60PX9***)

Remote Control
Batteries (AAA)

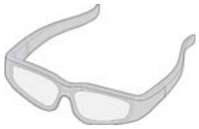
Nero MediaHome 4 Essentials CD



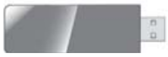
Power Cord



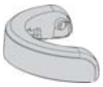
Protection Cover



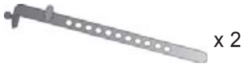
3D Glasses
(Only 50/60PX9***)



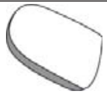
Wireless LAN for Broadband /DLNA Adaptor
(Only 50/60PK950, 50/60PK950N, 50/60PK980, 50/60PK990, 50/60PX950N, 50/60PX980, 50/60PX990)

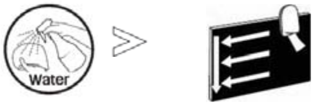


Cable Management Clip
(Only 50/60PK7***, 50/60PK9***, 50/60PX9***)



Cable Holder

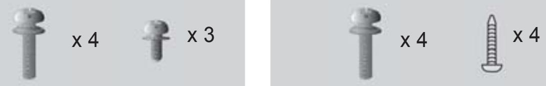




cleansing cloths(mitt)
(Only 50/60PX9***)

Slightly wipe stained spot on the exterior only with the cleansing cloths(mitt) for the product exterior if there is stain or fingerprint on surface of the exterior.

For cleaning front frame, please slowly wipe in one direction after spraying water 1~2 times on cleansing cloths. Please remove excessive moisture after cleaning.
Excessive moisture may cause water stains on the frame.

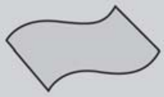


M4x28 M5x14
(Only 50PK5**)

M4x28 M4x14
(Only 50PK7***, 50PK9***, 50PX9***)

Bolts for stand assembly

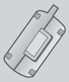
This item is not included for all models.



Polishing Cloth
Polishing cloth for use on the screen.

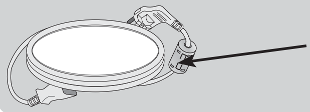
* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

Do not use excessive force. This may cause scratching or discolouration.

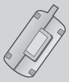


Ferrite Core
(This item is not included for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power plug.
The closer the location of the ferrite core to the power plug, the better it is.

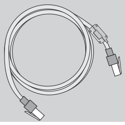


Install the power plug closely.



Ferrite Core
(This item is not included for all models.)

Ferrite core can be used to reduce the electromagnetic wave when connecting the LAN cable.
Place the ferrite core far from TV and wind the LAN cable in the ferrite core once.



PREPARATION

FRONT PANEL CONTROLS

NOTE

▶ TV can be placed in standby mode in order to reduce the power consumption. And TV should be switched off using the power switch on the TV if it will not be watched for some time, as this will reduce energy consumption.

The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and this will reduce the overall running cost.

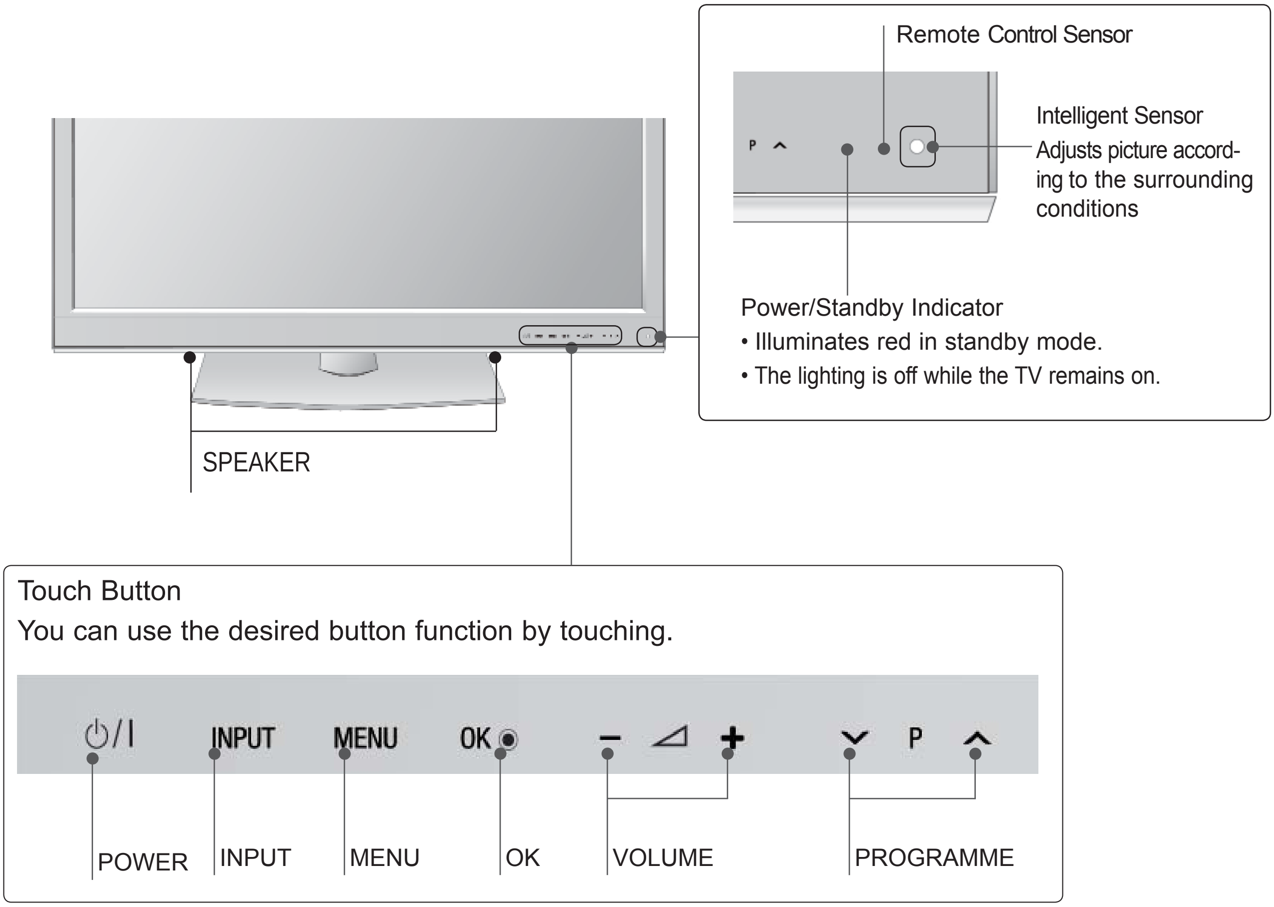
CAUTION

▶ Do not step on the glass stand or subject it to any impact. It may break, causing possible injury from fragments of glass, or the TV may fall.

▶ Do not drag the TV. The floor or the product may be damaged.

- Image shown may differ from your TV.

Only 50/60PK5**

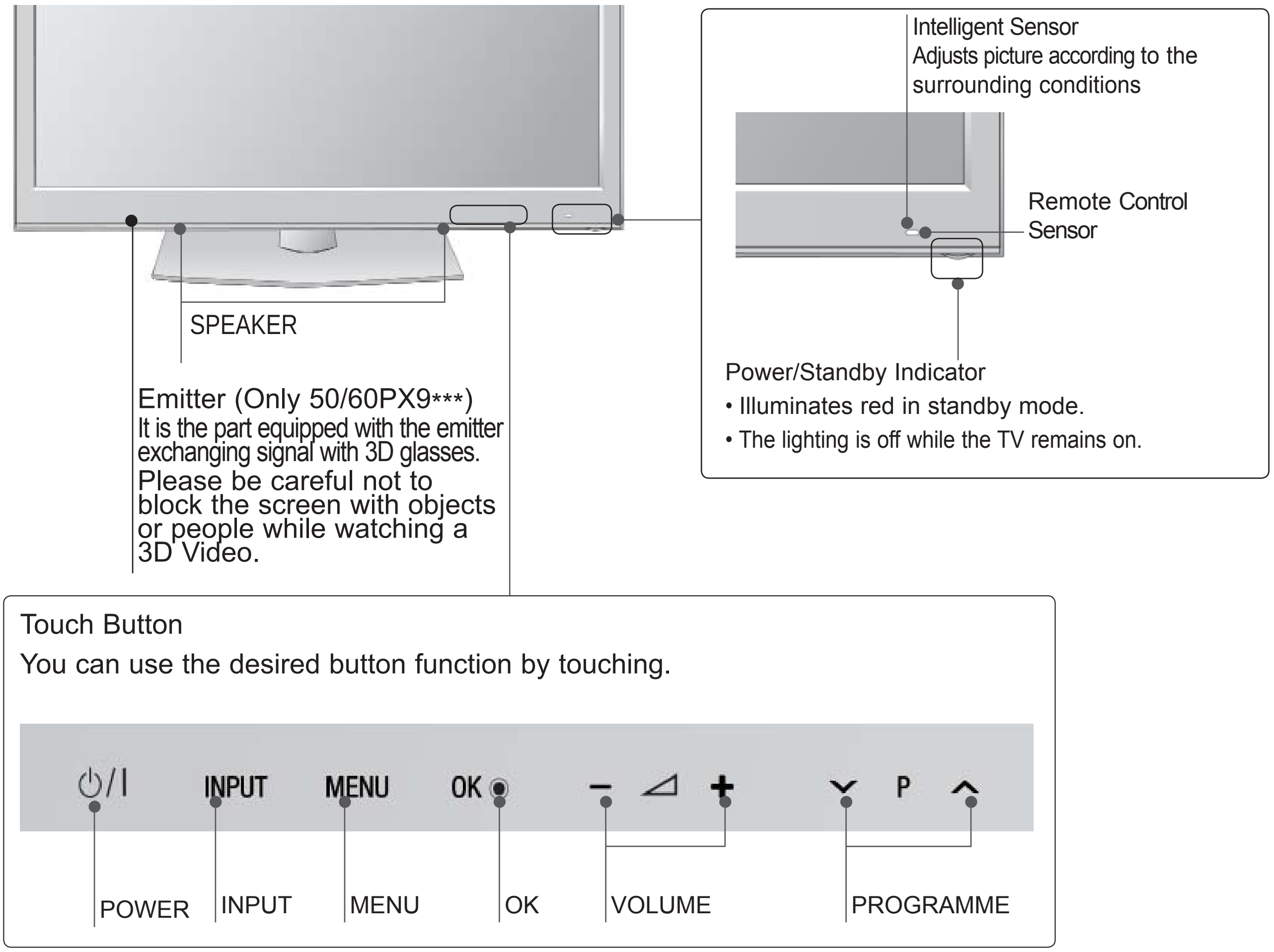

Remote Control Sensor
Intelligent Sensor
SPEAKER
P ^
⏻/I
INPUT
MENU
OK
– ◿ +
⌄ P ^
POWER
INPUT
MENU
OK
VOLUME
PROGRAMME

Adjusts picture according to the surrounding conditions

Power/Standby Indicator
- Illuminates red in standby mode.
- The lighting is off while the TV remains on.

Touch Button
You can use the desired button function by touching.

Only 50/60PK7***, 50/60PK9***, 50/60PX9***


SPEAKER
Intelligent Sensor
Remote Control Sensor
Power/Standby Indicator
Touch Button
⏻/I
INPUT
MENU
OK
P
POWER
INPUT
MENU
OK
VOLUME
PROGRAMME

Intelligent Sensor
Adjusts picture according to the surrounding conditions

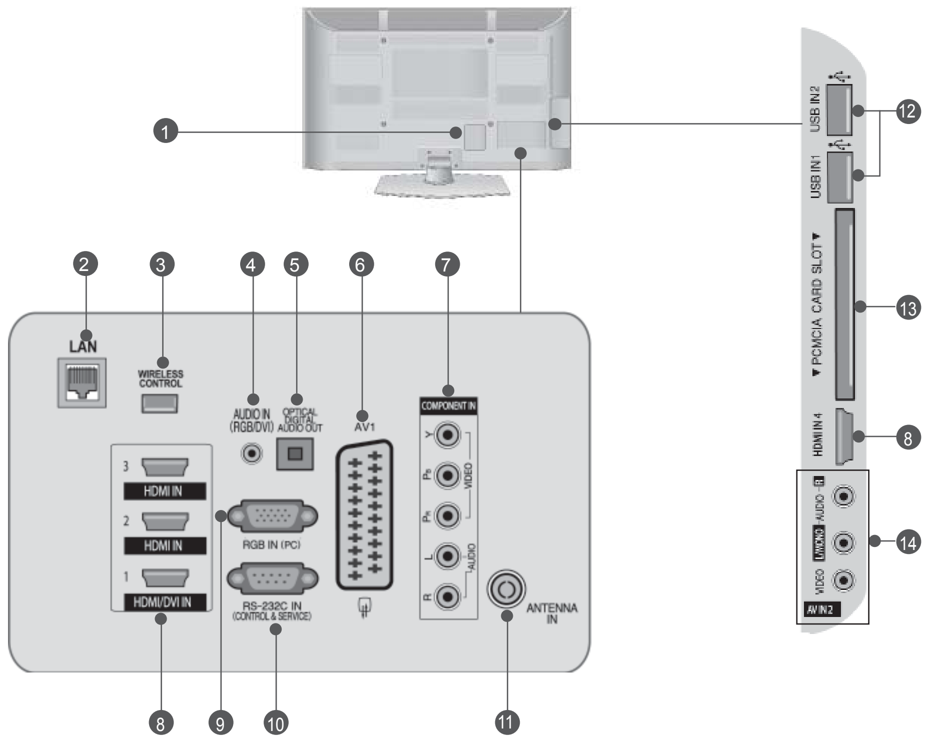
Emitter (Only 50/60PX9***)
It is the part equipped with the emitter exchanging signal with 3D glasses.
Please be careful not to block the screen with objects or people while watching a 3D Video.

Power/Standby Indicator
- Illuminates red in standby mode.
- The lighting is off while the TV remains on.

Touch Button
You can use the desired button function by touching.

BACK PANEL INFORMATION

- Image shown may differ from your TV.


1
2
3
4
5
6
7
LAN
WIRELESS CONTROL
AUDIO IN (RGB/DVI)
OPTICAL DIGITAL AUDIO OUT
AV1
COMPONENT IN
Y
PB
PR
VIDEO
L
AUDIO
R
3
HDMI IN
2
HDMI IN
1
HDMI/DVI IN
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
ANTENNA IN
8
9
10
11
USB IN 2
USB IN 1
▼ PCMCIA CARD SLOT ▼
HDMI IN 4
AUDIO
MONO
VIDEO
AV IN 2
12
13
8
14

① **Power Cord Socket**
This TV operates on an AC power. Never attempt to operate the TV on DC power.

② **LAN**
Network connection for AccuWeather, Picasa, YouTube, etc.
Also used for video, photo and music files on a local network.

③ **WIRELESS Control**
Connect the Wireless Ready Dongle to the TV to control the external input devices connected to Wireless Media Box wirelessly.

④ **RGB/DVI Audio Input**
Connect the audio from a PC or DTV.

⑤ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio to various types of equipment.
Connect to a Digital Audio Component.
Use an Optical audio cable.

⑥ **Euro Scart Socket (AV1)**
Connect scart socket input or output from an external device to these jacks.

⑦ **Component Input**
Connect a component video/audio device to these jacks.

⑧ **HDMI/DVI IN Input**
Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

⑨ **RGB IN Input**
Connect the output from a PC.

⑩ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
This port is used for Service or Hotel mode.

⑪ **Antenna Input**
Connect antenna or cable to this jack.

⑫ **USB Input**
Connect USB storage device to this jack.

⑬ **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
Insert the CI Module to **PCMCIA CARD SLOT**.
(This feature is not available in all countries.)

⑭ **Audio/Video Input**
Connect audio/video output from an external device to these jacks.

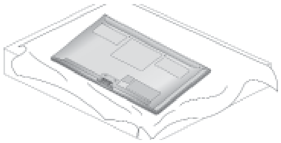
STAND INSTALLATION

- Image shown may differ from your TV.

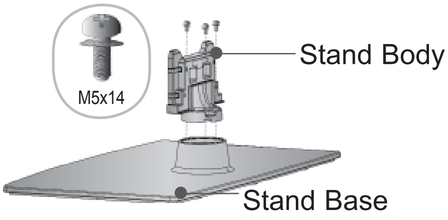
When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

Only 50PK5**

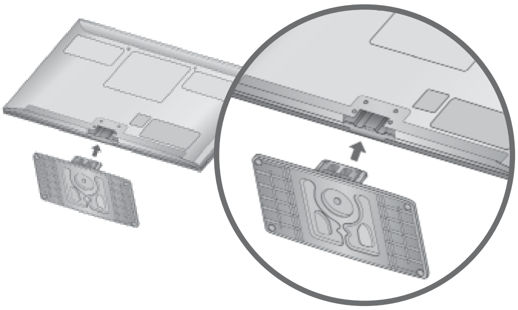
1. Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



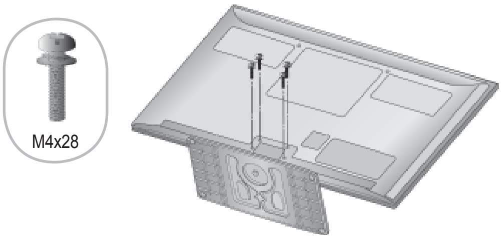
2. Set the **Stand Base** on even floor. Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.

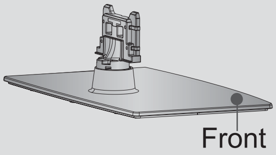


3. Assemble the TV as shown.



4. Fix the 4 bolts securely using the holes in the back of the TV.

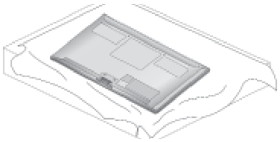




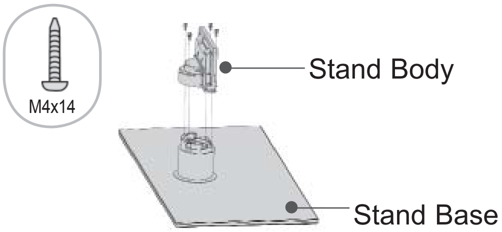
When assembling the stand, make sure to distinguish and assemble the front and rear side of the stand correctly.

Only 50PK7***, 50PK9***, 50PX9***

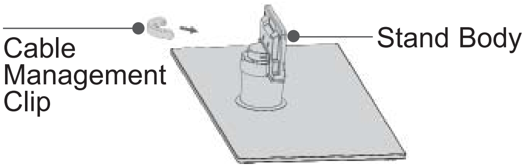
1. Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



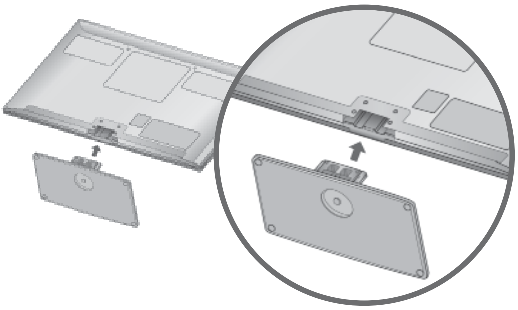
2. Set the **Stand Base** on even floor. Assemble the parts of the **Stand Body** with the **Stand Base** of the TV.



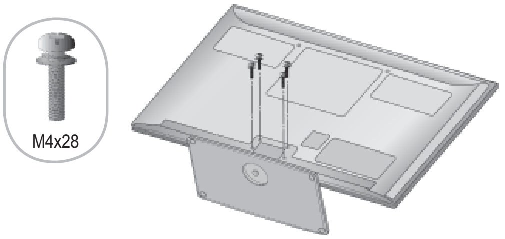
3. Assemble the parts of the **Cable Management Clip** with the **Stand Body**.



4. Assemble the TV as shown.



5. Fix the 4 bolts securely using the holes in the back of the TV.

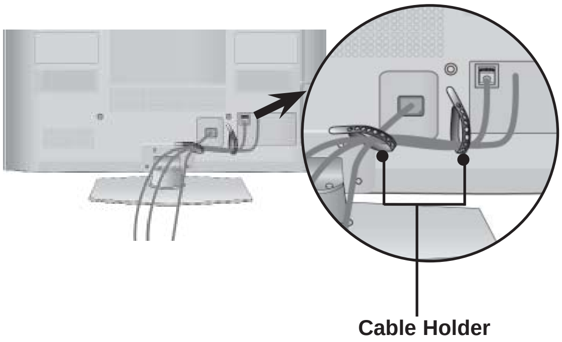


BACK COVER FOR WIRE ARRANGEMENT

- Image shown may differ from your TV.

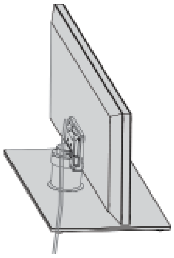
After connecting the cables as necessary, install **Cable Holder** as shown and bundle the cables.

In case of the LAN cable, install as shown to reduce the electromagnetic wave.

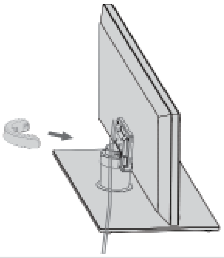


Only 50/60PK7***, 50/60PK9***, 50/60PX9***

1 Connect the cables as necessary. To connect additional equipment, see the **External Equipment Setup** section.



2 Install the **Cable Management Clip** into the TV until clicking sound.



NOTE

► Do not use the **Cable Management Clip** to lift the TV.

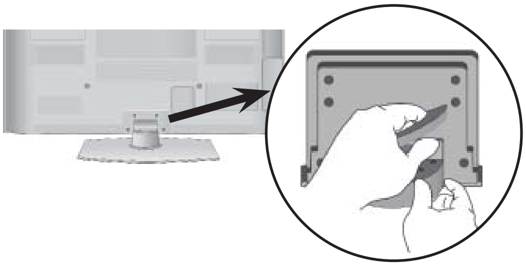
- If the TV is dropped, you may be injured or the TV may be damaged.

HOW TO REMOVE THE CABLE MANAGEMENT CLIP

Only 50/60PK7***, 50/60PK9***, 50/60PX9***

- Image shown may differ from your TV.

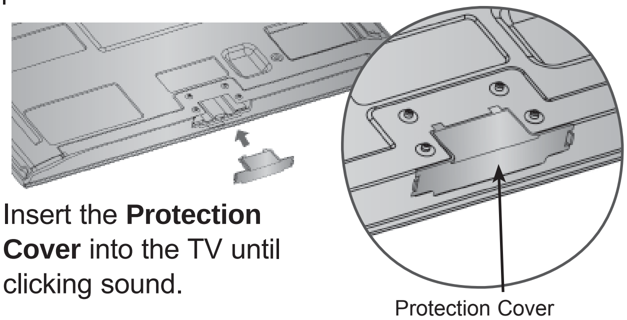
Hold the **Cable Management Clip** with both hands and pull it backward as shown.



NOT USING THE DESK-TYPE STAND

- Image shown may differ from your TV.

When installing the wall-mounted unit, use the protection cover.



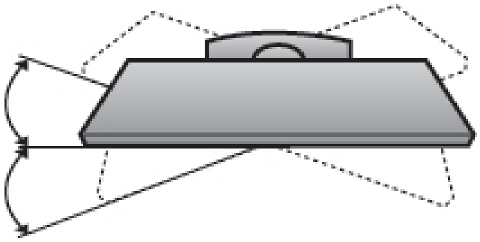
Insert the **Protection Cover** into the TV until clicking sound.

Protection Cover
(Fix a Guide to the Outsides.)

SWIVEL STAND

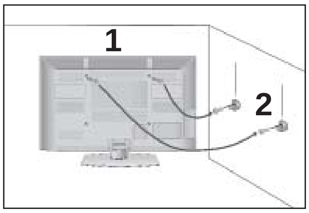
- Image shown may differ from your TV.

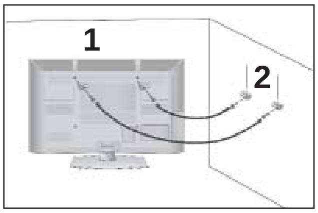
After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.



CAREFUL INSTALLATION ADVICE

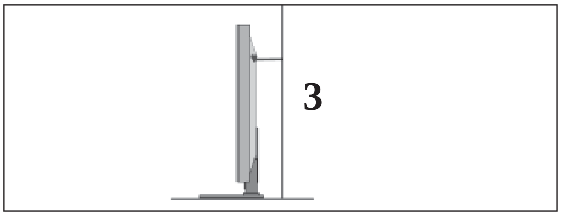
- You should purchase necessary components to fix the TV safety and secure to the wall on the market.
- Position the TV close to the wall to avoid the possibility of it falling when pushed.
- The instructions shown below are a safer way to set up the TV, by fixing it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.





① Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
(If your TV has bolts in the eyebolts, loosen then bolts.)
* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

② Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



③ Use a sturdy rope to tie the product for alignment. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

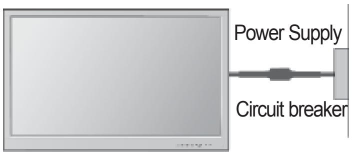
- ▶ When moving the TV undo the cords first.
- ▶ Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ▶ To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

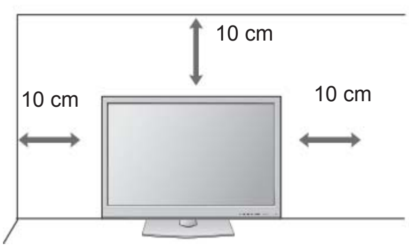
Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.

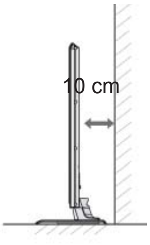


DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For adequate ventilation allow a clearance of 10 cm all around the TV.



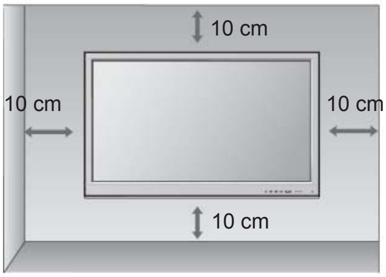


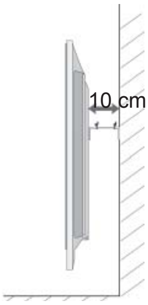
WALL MOUNT: HORIZONTAL INSTALLATION

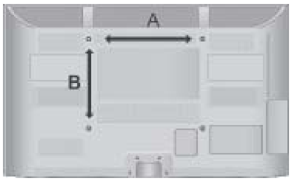
- We recommend the use of a LG Brand wall mounting bracket when mounting the TV to a wall.
- We recommend that you purchase a wall mounting bracket which supports VESA standard.
- LG recommends that wall mounting be performed by a qualified professional installer.

NOTE

- ▶ Should Install wall mount on a solid wall perpendicular to the floor.
- ▶ Should use a special wall mount, if you want to install it to ceiling or slanted wall.
- ▶ The surface that wall mount is to be mounted on should be of sufficient strength to support the weight of TV set; e.g. concrete, natural rock, brick and hollow block.
- ▶ Installing screw type and length depends on the wall mount used. Further information, refer to the instructions included with the mount.
- ▶ LG is not liable for any accidents or damage to property or TV due to incorrect installation:
  - Where a non-compliant VESA wall mount is used.
  - Incorrect fastening of screws to surface which may cause TV to fall and cause personal injury.
  - Not following the recommended Installation method.





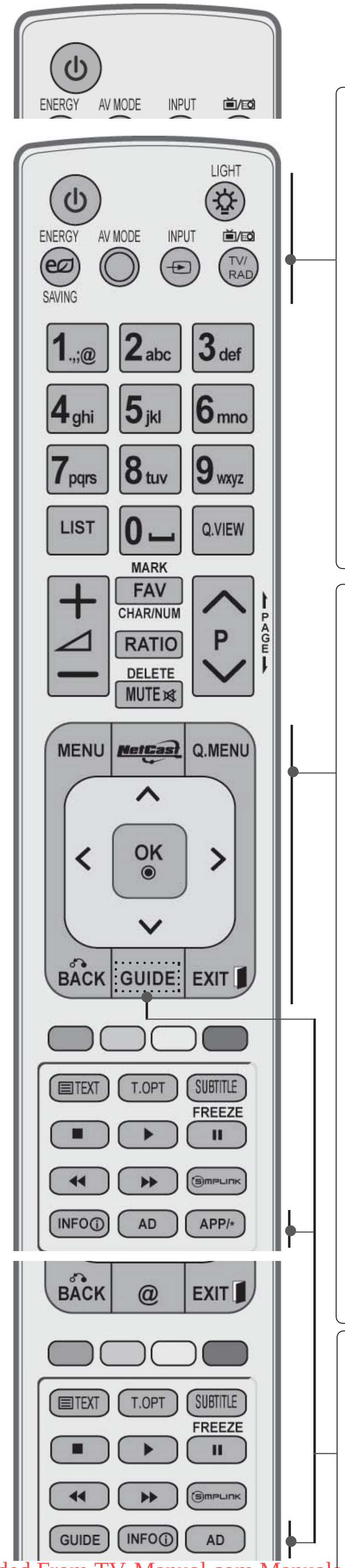


Model	VESA (A * B)	Standard Screw	Quantity
50PK5**	400 * 400	M6	4
60PK5**	600 * 400	M8	4
50PK7***	400 * 400	M6	4
60PK7***	600 * 400	M8	4
50PK9***	400 * 400	M6	4
60PK9***	600 * 400	M8	4
50PX9***	400 * 400	M6	4
60PX9***	600 * 400	M8	4

REMOTE CONTROL KEY FUNCTIONS

(Only 50/60PK5**, 50/60PK7***, 50/60PK9***)

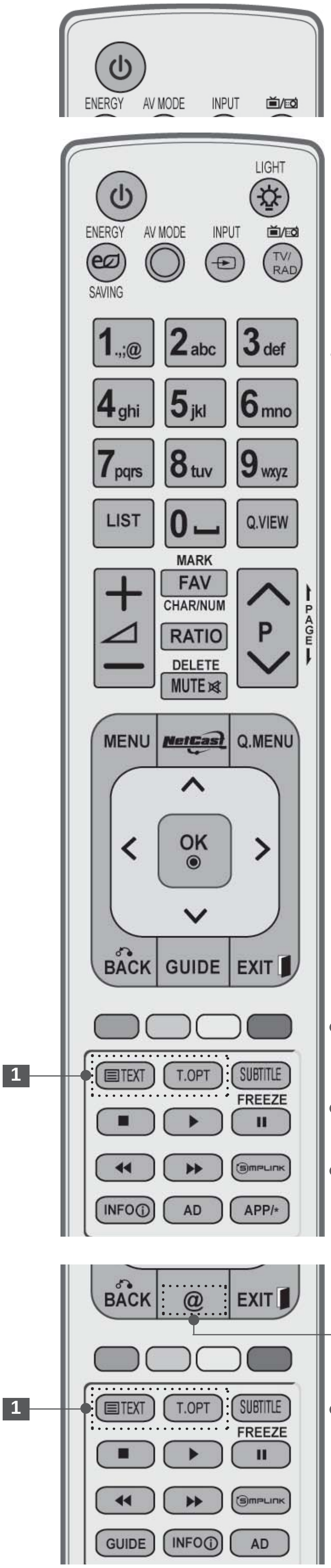
When using the remote control, aim it at the remote control sensor on the TV.


ENERGY
AV MODE
INPUT
LIGHT
SAVING
TV/RAD
1.,;@
2abc
3def
4ghi
5jkl
6mno
7pqrs
8tuv
9wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
INFO
AD
APP/*
@

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide.(▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 50/60PK78**, 50/60PK98**)


ENERGY
AV MODE
INPUT
LIGHT
ENERGY
AV MODE
INPUT
TV/RAD
SAVING
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
1
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
INFO
AD
APP/*
BACK
@
EXIT
1
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
GUIDE
INFO
AD

0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

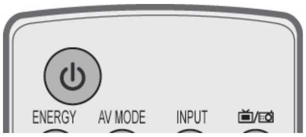
Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.

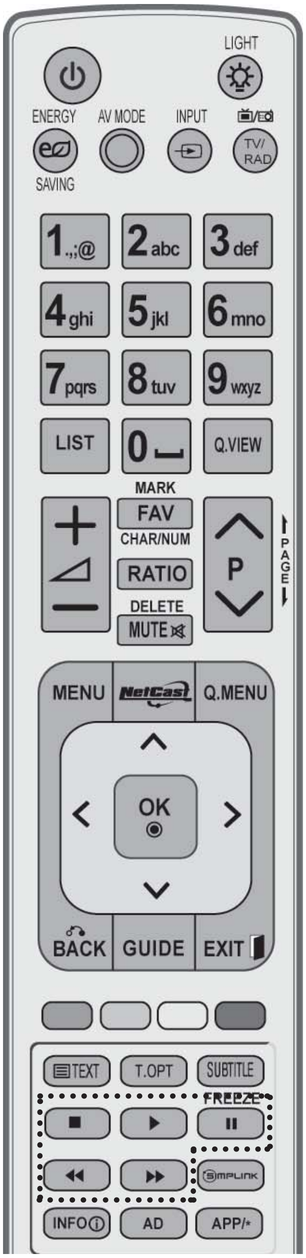
FREEZE	Pause the present picture at the screen. (It doesn't work at USB Mode and Simplink.) The TV returns to normal viewing automatically if no signal is received or no operation is performed for 5 minutes. If you keep the screen in Freeze condition, the residual image can exist.

SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the 'Teletext' section.(▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.


ENERGY
AV MODE
INPUT

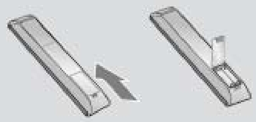

LIGHT
ENERGY
AV MODE
INPUT
TV/RAD
SAVING
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
INFO
AD
APP/*

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
RATIO	Selects your desired Aspect Ratio of picture. (▶ **p.135**)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).

BACK
@
EXIT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
GUIDE
INFO
AD

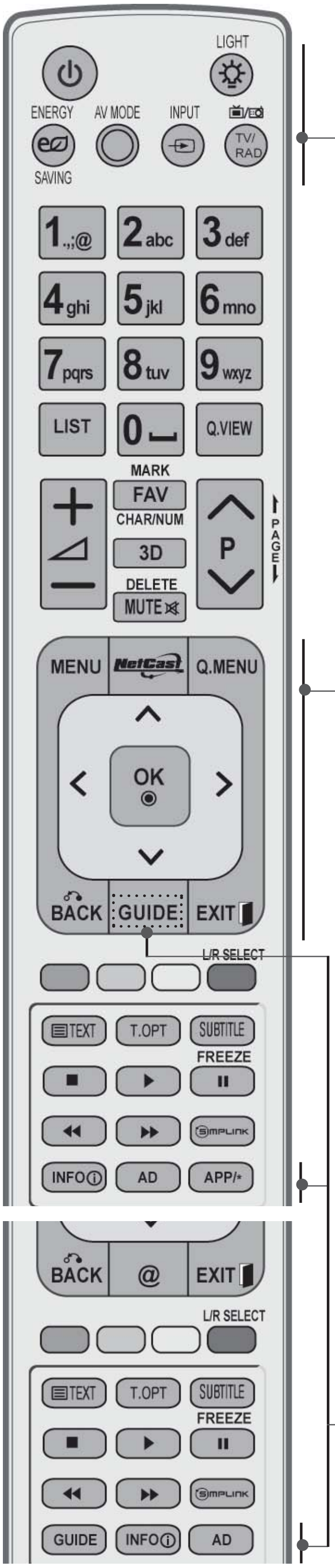
Installing Batteries



- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

REMOTE CONTROL KEY FUNCTIONS (Only 50/60PX9***)

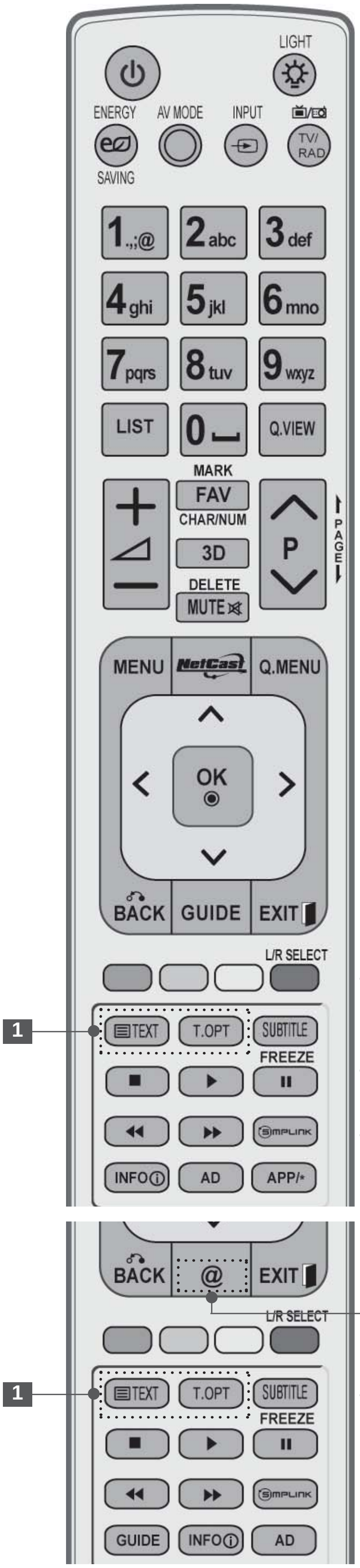
When using the remote control, aim it at the remote control sensor on the TV.


LIGHT
ENERGY
SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
INFO ⓘ
AD
APP/*
BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
GUIDE
INFO ⓘ
AD

⏻ (POWER)	Switches the TV on from standby or off to standby.
LIGHT	You can turn the light of the remote control button on or off.
ENERGY SAVING	Adjust the Energy Saving mode of the TV.(▶ **p.138**)
AV MODE	It helps you select and set images and sounds when connecting AV devices.(▶ **p.66**)
INPUT	External input mode rotate in regular sequence. (▶ **p.57**)
TV/RAD	Selects Radio, TV and DTV programme.

MENU	Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.(▶ **p.31**)
NetCast	Select the desired NetCast menu source. (▶ **p.68**) (AccuWeather, Picasa, YouTube and etc.) NetCast menu source can differ by country.
Q. MENU	Select the desired quick menu source. (Aspect Ratio, Clear Voice II , Picture Mode, Sound Mode, Audio (or Audio Language), Sleep Timer, Skip Off/On, USB Device).(▶ **p.30**)
THUMBSTICK (Up/Down/Left/Right)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode.
BACK	Allows the user to move return one step in an interactive application, EPG or other user interaction function.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE	Shows programme guide. (▶ **p.129**)
INFO ⓘ	Shows the present screen information.
AD	Switches the Audio Description On or Off.
APP/*	Select the MHP TV menu source. (Only Italy) (Only 50/60PX98**)


LIGHT
ENERGY
AV MODE
INPUT
TV/RAD
SAVING
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
INFO
AD
APP/*
BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
GUIDE
INFO
AD
1
1

0 to 9 number button	Selects a programme. Selects numbered items in a menu.
⎵ (Space)	Opens an empty space on the screen keyboard.
LIST	Displays the programme table. (▶ **p.55)**
Q.VIEW	Returns to the previously viewed programme.

Coloured buttons	These buttons are used for teletext (on **TELETEXT** models only), **Programme edit**.
L/R SELECT	Use this to view 3D video. (▶ p.89)

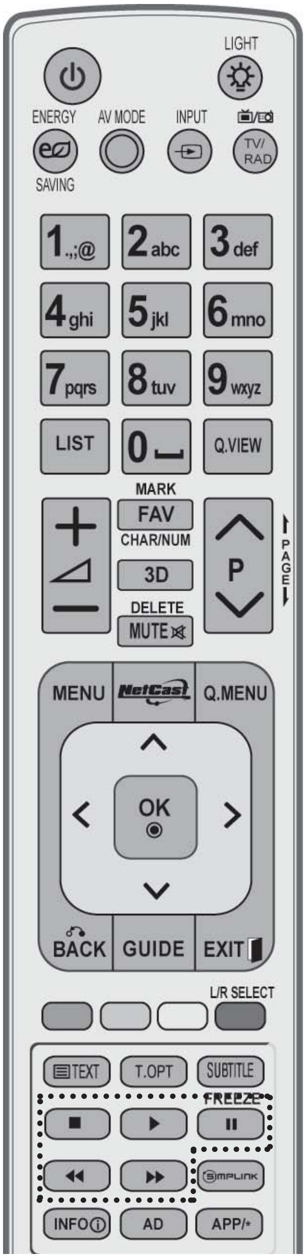
FREEZE	Pause the present picture at the screen. (It doesn't work at USB Mode and Simplink.) The TV returns to normal viewing automatically if no signal is received or no operation is performed for 5 minutes. If you keep the screen in Freeze condition, the residual image can exist.

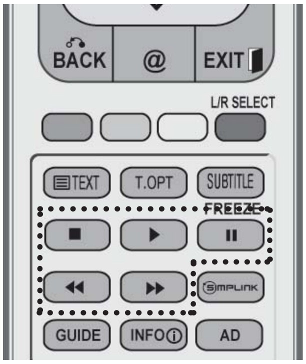
SIMPLINK	See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ **p.62**)

@	Direct access to your internet portal of entertainment and news services developed by Orange. (Only France)

1 TELETEXT BUTTONS	These buttons are used for teletext. For further details, see the ‘Teletext’ section. (▶ **p.177**)
SUBTITLE	Recalls your preferred subtitle in digital mode.

PREPARATION

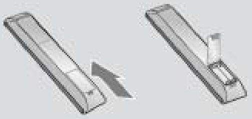

LIGHT
ENERGY SAVING
AV MODE
INPUT
TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
3D
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
INFO
AD
APP/*


BACK
@
EXIT
L/R SELECT
TEXT
T.OPT
SUBTITLE
FREEZE
SIMPLINK
GUIDE
INFO
AD

VOLUME UP /DOWN	Adjusts the volume.
MARK	Select the input to apply the Picture Wizard settings. Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
CHAR/NUM	Shifts the Character or Number for NetCast menu.
3D	Use this to view 3D video. (▶ p.88)
DELETE	Deletes the entered character when entering the character on the screen keyboard.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/ DOWN	Move from one full set of screen information to the next one.

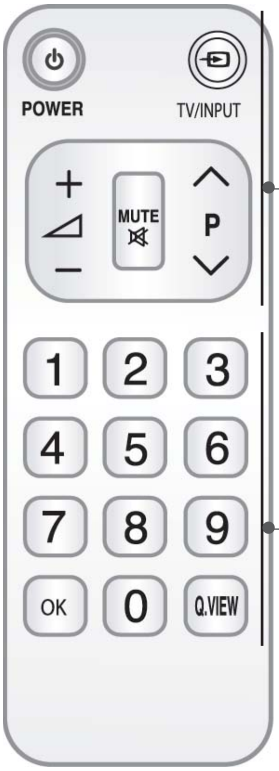
SIMPLINK / MY MEDIA Menu control buttons	Controls SIMPLINK or MY MEDIA menu (Photo List, Music List and Movie List).

Installing Batteries



- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5 V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

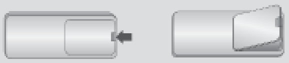
Simple Remote Control (Only 50/60PK9***, 50/60PX9***)



⏻ (POWER)	Switches the TV on from standby or off to standby.
TV/INPUT	External input mode rotate in regular sequence.(▶ **p.57**)
VOLUME UP /DOWN	Adjusts the volume.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.

0 to 9 number button	Selects a programme. Selects numbered items in a menu.
OK	Accepts your selection or displays the current mode.
Q.VIEW	Returns to the previously viewed programme.

Installing Batteries



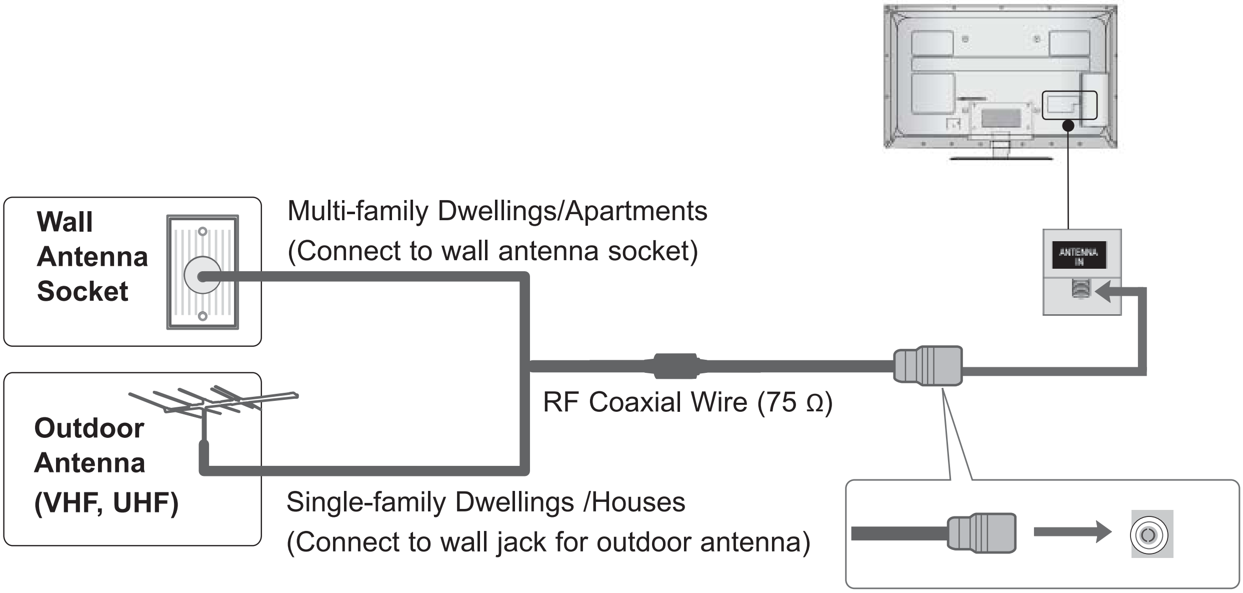
- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

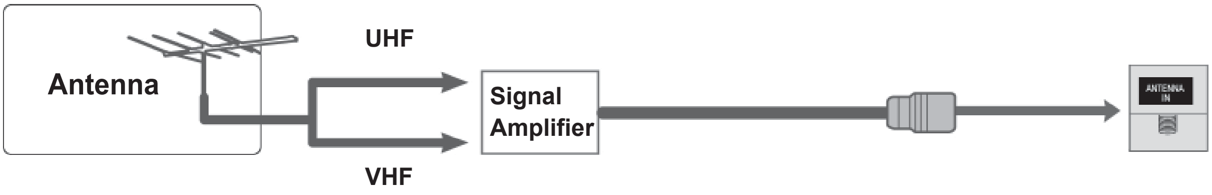
EXTERNAL EQUIPMENT SETUP

- To prevent damage do not connect to the mains outlet until all connections are made between the devices.

ANTENNA CONNECTION

- For optimum picture quality, adjust antenna direction.
- An antenna cable and converter are not supplied.


Wall Antenna Socket
Multi-family Dwellings/Apartments
(Connect to wall antenna socket)
ANTENNA IN
Outdoor Antenna (VHF, UHF)
RF Coaxial Wire (75 Ω)
Single-family Dwellings /Houses
(Connect to wall jack for outdoor antenna)


Antenna
UHF
VHF
Signal Amplifier
ANTENNA IN

- In poor signal areas, to achieve better picture quality it may be necessary to install a signal amplifier to the antenna as shown above.
- If signal needs to be split for two TVs, use an antenna signal splitter for connection.

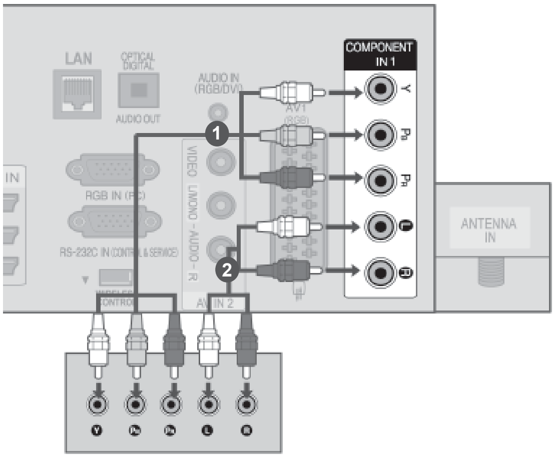
EXTERNAL EQUIPMENT SETUP

- To avoid damaging any equipment, never plug in any power cord until you have finished connecting all equipment.
- This section on **EXTERNAL EQUIPMENT SETUP** mainly uses diagrams for the 32/37/42/47/55LE7*** models.
- Image shown may differ from your TV.

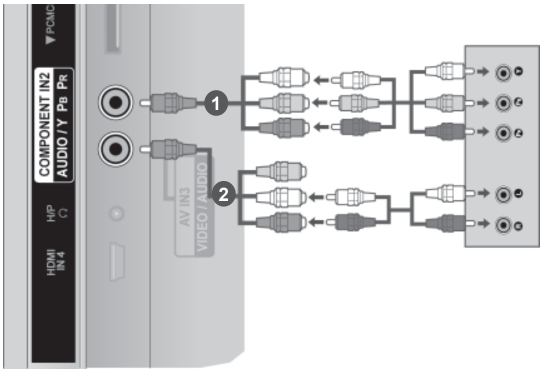
CONNECTING WITH A COMPONENT CABLE

This TV can receive Digital RF/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the diagram as shown below.

1. Connect the video outputs (Y, P_B, P_R) of the external equipment (digital set-top box, DVD, etc.) to the **COMPONENT IN VIDEO** jacks on the TV.
2. Connect the audio output of the external equipment (digital set-top box, DVD, etc.) to the **COMPONENT IN AUDIO** jacks on the TV.
3. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)
4. Select the **Component1** input source using the **INPUT** button on the remote control.
   If connected to **COMPONENT IN 2**, select **Component2** input source.


LAN
OPTICAL DIGITAL AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
Y
PB
PR
L
R
IN
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
VIDEO L/MONO – AUDIO – R
WIRELESS CONTROL
AV IN 2
ANTENNA IN
1
2
Y
PB
PR
L
R

or


PCMCIA
COMPONENT IN2
AUDIO / Y PB PR
H/P
HDMI IN 4
AV IN3
VIDEO / AUDIO
1
2

► HDMI Audio Supported format : Dolby Digital, PCM.
DTS Audio format is not supported.

Signal	Component	HDMI
480i/576i	O	X
480p/576p	O	O
720p/1080i	O	O
1080p	O (50 Hz / 60 Hz only)	O (24 Hz / 30 Hz / 50 Hz / 60 Hz)

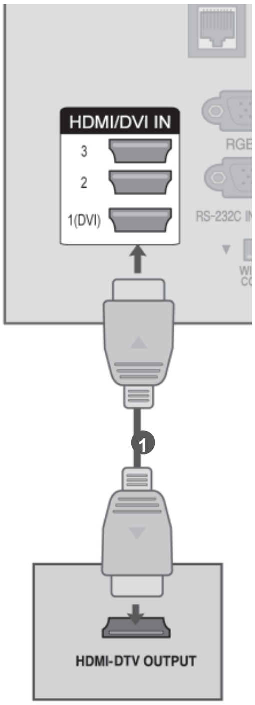
Component Input ports

To achieve better picture quality, connect a DVD player to the component input ports as shown below.

Component ports on the TV	Y	P_B	P_R
Video output ports on DVD player	Y	P_B	P_R
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

CONNECTING WITH AN HDMI CABLE

1. Connect the HDMI output of the external equipment (digital set-top box, DVD, etc.) to **HDMI/DVI IN 1(DVI)**, **HDMI/DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** (Except for 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***) jack on the TV.
2. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)
3. Select **HDMI1, HDMI2, HDMI3** or **HDMI4** (Except for 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***) input source using the **INPUT** button on the remote control.



NOTE

- ► The TV can receive video and audio signals simultaneously when using an HDMI cable.
- ► If the DVD does not support Auto HDMI, you must set the output resolution appropriately.
- ► Check that your HDMI cable is High Speed HDMI Cable. If the HDMI cables are not High Speed HDMI Cable, flickering or no screen display can result. Please use the High Speed HDMI Cable.

EXTERNAL EQUIPMENT SETUP

CONNECTING WITH AN HDMI TO DVI CABLE

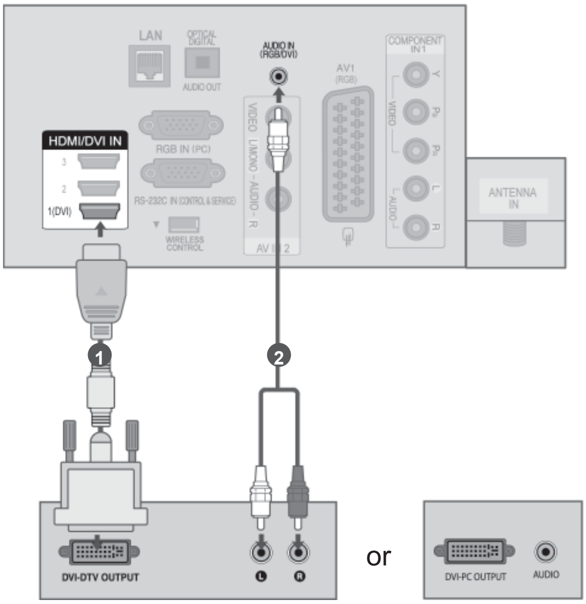
① Connect the digital set-top box or the DVI output of the PC to **HDMI/DVI IN 1(DVI)** jack on the TV.

② Connect the audio output of the digital set-top box or the PC audio output to the **AUDIO IN (RGB/DVI)** jack on the TV.

③ Turn on the digital set-top box or the PC and the TV.

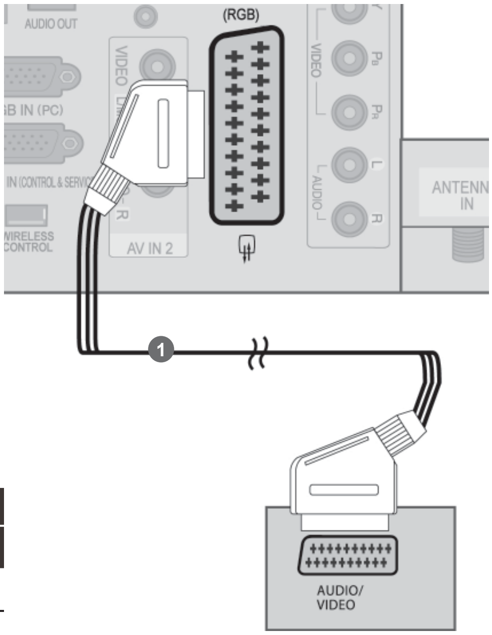
(Refer to the digital set-top box or the PC manual for operating instructions.)

④ Select **HDMI1** input source using the **INPUT** button on the remote control.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
HDMI/DVI IN
3
2
1(DVI)
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO L(MONO) - AUDIO - R
AV IN 2
ANTENNA IN
1
2
DVI-DTV OUTPUT
L
R
or
DVI-PC OUTPUT
AUDIO

CONNECTING WITH A EURO SCART CABLE

1. Connect the Euro scart socket of the external equipment (DVD, VCR, etc.) to the **AV1** Euro scart socket on the TV.
2. Turn on the external equipment.
   (Refer to the external equipment's manual for operating instructions.)
3. Select **AV1** input source using the **INPUT** button on the remote control.



Scart	Input			Output
	Video	Audio	RGB	Video, Audio
AV1	O	O	O	Analogue TV, Digital TV

Output Type / Current input mode	AV1 (TV Out)	AV1 (When DTV scheduled recording is in progress using recording equipment.)
Digital TV	Digital TV	O
Analogue TV, AV	Analogue TV	O (The input mode is converted to DTV.)
Component/RGB	Analogue TV	
HDMI	X	X

► TV Out : Outputs Analogue TV or Digital TV signals.

NOTE

► Any Euro scart cable used must be signal shielded.

► When watching digital TV in 3D imaging mode, monitor out signals cannot be output through the SCART cable. (Only 42/47LX6***, 47/55LX9***, 50/60PX9***)

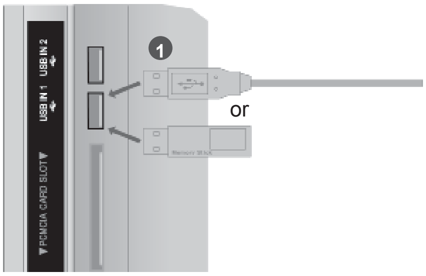
► If you set the 3D mode to On while a scheduled recording is performed on digital TV, monitor out signals cannot be output through the SCART cable, and the recording cannot be performed. (Only 42/47LX6***, 47/55LX9***, 50/60PX9***)

EXTERNAL EQUIPMENT SETUP

USB SETUP

① Connect the USB device to the **USB IN 1** or **USB IN 2** jack on the TV.

② After connecting the **USB IN 1** or **USB IN 2** jack, you use the **USB** function. (▶ **p.90)**


USB IN 2
USB IN 1
▼PCMCIA CARD SLOT▼
1
or
Memory Stick

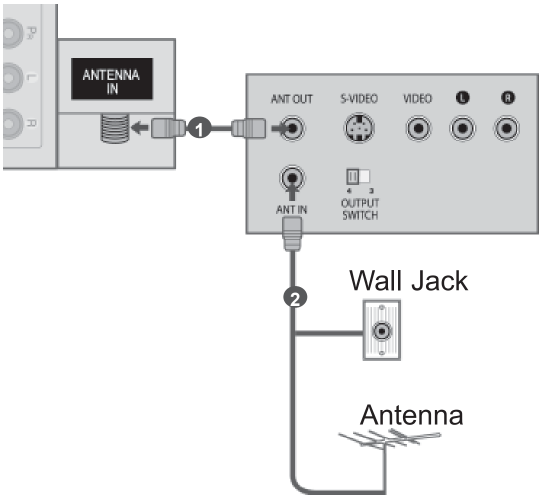
CONNECTING WITH AN RF CABLE

To avoid picture noise (interference), allow adequate distance between the VCR and TV.

① Connect the **ANT OUT** socket of the VCR to the **ANTENNA IN** socket on the TV.

② Connect the antenna cable to the **ANT IN** socket of the VCR.

③ Press the **PLAY** button on the VCR and match the appropriate channel between the TV and VCR for viewing.


ANTENNA IN
1
ANT OUT
S-VIDEO
VIDEO
L
R
ANT IN
4 3
OUTPUT SWITCH
2
Wall Jack
Antenna

CONNECTING WITH AN RCA CABLE

1. Connect the **AUDIO/VIDEO** jacks between TV and VCR or external equipment. Match the jack colours (Video = yellow, Audio Left = white, and Audio Right = red)

2. Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)

   Or, Operate the corresponding external equipment.

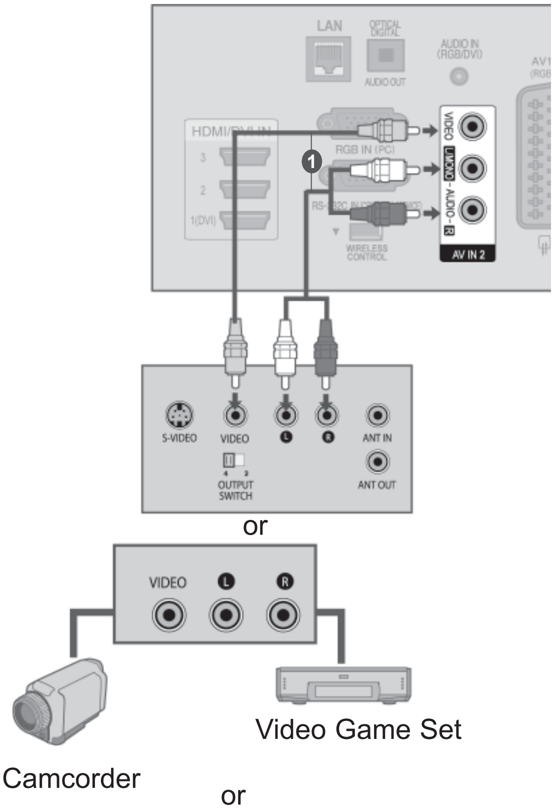
   (Refer to external equipment operating guide.)

3. Select **AV2** input source using the **INPUT** button on the remote control.

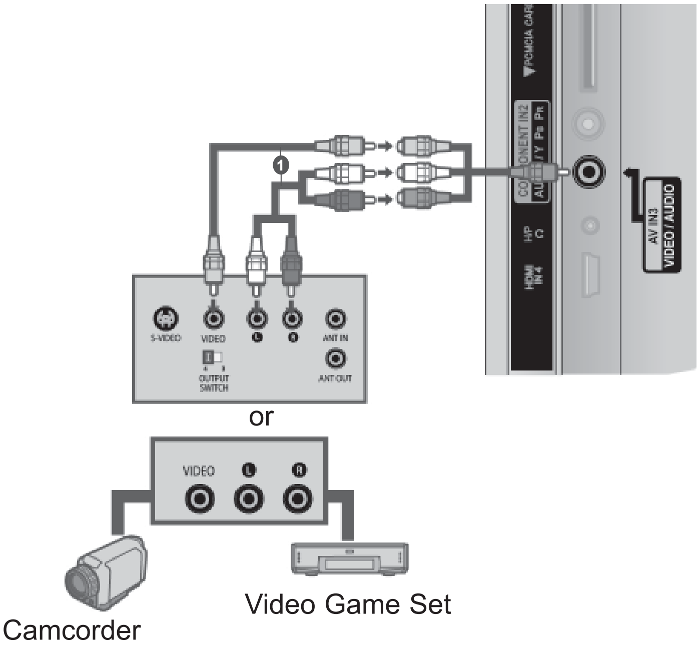
   If connected to **AV IN 3**, select **AV3** input source.

NOTE

- ▶ If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** jack of the TV.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
HDMI/DVI IN
3
2
1(DVI)
RGB IN (PC)
WIRELESS CONTROL
VIDEO
L/MONO
AUDIO
R
AV IN 2
1
S-VIDEO
VIDEO
L
R
ANT IN
OUTPUT SWITCH
ANT OUT
or
VIDEO
L
R
Video Game Set
Camcorder

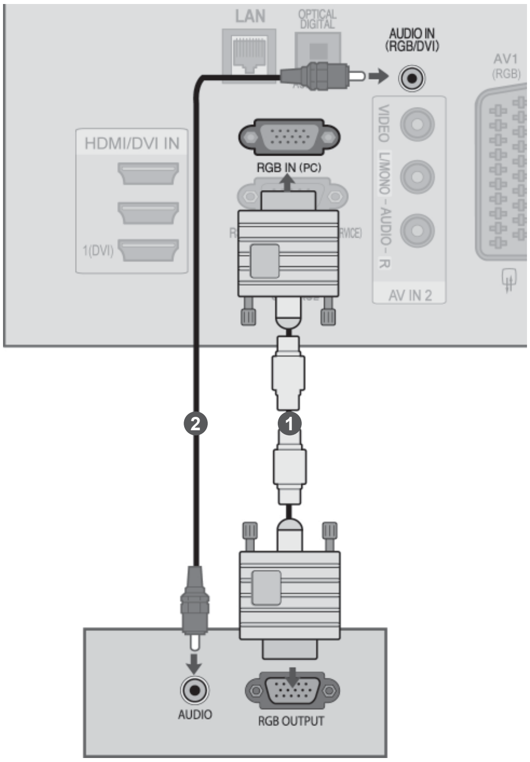
or


PCMCIA CARD
COMPONENT IN2
AUDIO
Y PB PR
AV IN3
VIDEO / AUDIO
H/P
HDMI IN 4
1
S-VIDEO
VIDEO
L
R
ANT IN
OUTPUT SWITCH
ANT OUT
or
VIDEO
L
R
Video Game Set
Camcorder

EXTERNAL EQUIPMENT SETUP

CONNECTING WITH A D-SUB 15 PIN CABLE

This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings.


LAN
OPTICAL DIGITAL
AUDIO IN (RGB/DVI)
AV1 (RGB)
HDMI/DVI IN
1(DVI)
RGB IN (PC)
VIDEO L/MONO - AUDIO - R
AV IN 2
2
1
AUDIO
RGB OUTPUT

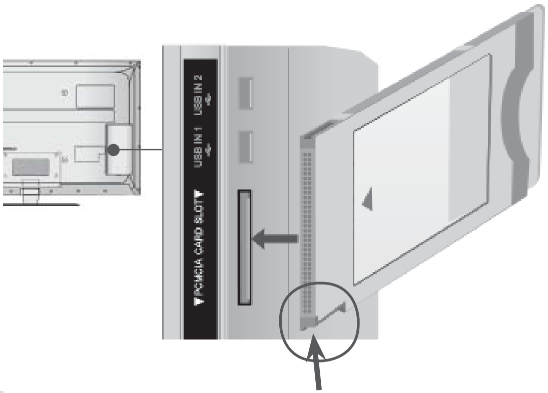
1. Connect the RGB output of the PC to the **RGB IN (PC)** jack on the TV.
2. Connect the PC audio output to the **AUDIO IN (RGB/DVI)** jack on the TV.
3. Turn on the PC and the TV
4. Select **RGB** input source using the INPUT button on the remote control.

INSERTION OF A CI MODULE

To view the encrypted (pay) services in digital TV mode.
This feature is not available in all countries.

1. Insert the CI Module to **PCMCIA** (Personal Computer Memory Card International Association) **CARD SLOT** of TV as shown.

   For further information, see p.48.



Check this point as shown and insert the CI Module.

NOTE

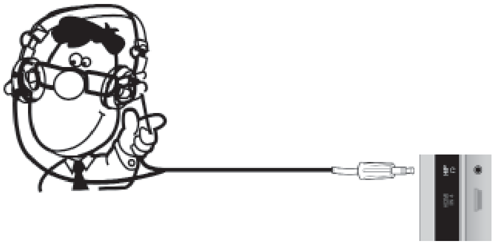
- ▶ Check if the CI module is inserted into the PCMCIA card slot in the right direction. If the module is not inserted properly, this can cause damage to the TV and the PCMCIA card slot.

HEADPHONE SETUP

(Except for 50/60PK5**, 50/60PK7***, 50/60PK9***, 50/60PX9***, 42/47LX6***, 47/55LX9***)

You can listen the sound through the headphone.

1. Plug the headphone into the headphone socket.
2. To adjust the headphone volume, press the ⊿ + or - button. If you press the MUTE button, the sound from the headphone is switched off.



NOTE

- ▶ AUDIO menu items are disabled when connecting a headphone.
- ▶ When changing AV MODE with a headphone connected, the change is applied to video but not to audio.
- ▶ Optical Digital Audio Out is not available when connecting a headphone.
- ▶ Headphone impedance: 16 Ω
- ▶ Max audio output of headphone: 10 mW to 15 mW

EXTERNAL EQUIPMENT SETUP

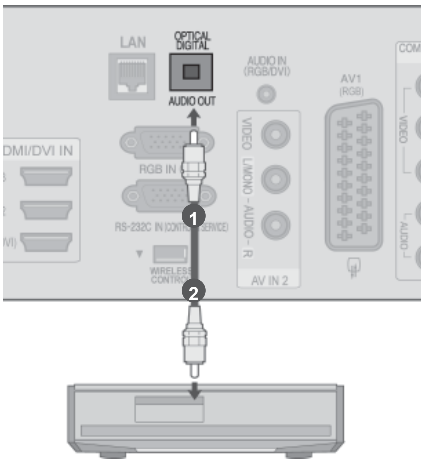
DIGITAL AUDIO OUT SETUP

Sending the TV's audio signal to external audio equipment via the Digital Audio Output (Optical) port.
If you want to enjoy digital broadcasting through 5.1-channel speakers, connect the OPTICAL DIGITAL AUDIO OUT terminal on the back of TV to a Home Theater (or amp).

① Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.

② Connect the other end of the optical cable to the digital audio (Optical) input on the audio equipment.

③ Set the "TV Speaker option - Off " in the AUDIO menu.(▶ **p.159**). Refer to the external audio equipment instruction manual for operation.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COM
DMI/DVI IN
RGB IN
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO L/MONO - AUDIO - R
AV IN 2
VIDEO
AUDIO
1
2

CAUTION

▶ Do not look into the optical output port. Looking at the laser beam may damage your vision.

EXTERNAL EQUIPMENT WIRELESS CONNECTION

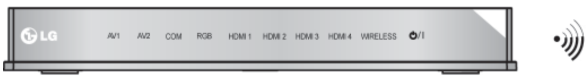
(Except for 32/37/42LD4***)

LG TVs with a Wireless Control port support the LG Wireless Media Box, which is sold separately. When you connect the Wireless Ready Dongle (included with the Wireless Media Box) to the TV, external devices can be connected to the LG Wireless Media Box and video and audio will be sent to the TV wirelessly.

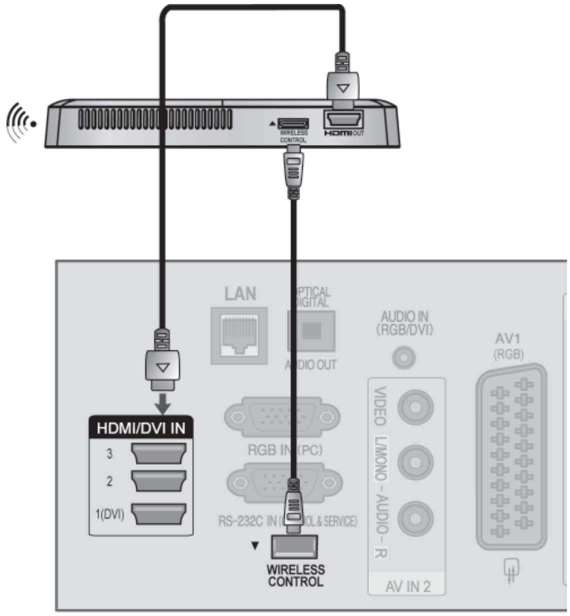
After the wireless is connected, press the **INPUT** button to view the wireless input screen.
Refer to the Wireless Media Box manual for operating instructions.

1. Connect the **WIRELESS CONTROL** jack of the Wireless Ready Dongle to the **WIRELESS CONTROL** jack on the TV.

2. Connect **HDMI OUT** jack of the Wireless Ready Dongle to the **HDMI/DVI IN 1(DVI)**, **HDMI/DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** (Except for 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***) jack on the TV.


LG
AV1
AV2
COM
RGB
HDMI 1
HDMI 2
HDMI 3
HDMI 4
WIRELESS

LG Wireless Media Box


WIRELESS CONTROL
HDMI OUT
LAN
OPTICAL DIGITAL AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
HDMI/DVI IN
3
2
1(DVI)
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
L/MONO - AUDIO - R
AV IN 2

NOTE

- ► **WIRELESS CONTROL** : Wireless Ready Dongle power supply and control usage.
- ► **HDMI** : Video/Audio signal is connected in Wireless Ready Dongle.
- ► When you connect to the Wireless Media Box (Separately sold product), you can watch the external device connected to the Wireless Media Box through wireless connection.
- ► When using the external device connected to the Wireless Media Box, some functions of the TV menu may not work.
- ► In wireless external output, Real Cinema and Digital Noise Reduction functions are not supported.

SUPPORTED DISPLAY RESOLUTION

Plasma TV Models

RGB-PC, HDMI/DVI-PC mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x400	31.468	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1280x768	47.78	59.87
1360x768	47.72	59.80
1280x1024	63.981	60.02
1920x1080 (RGB-PC)	66.587	59.93
1920x1080 (HDMI-PC)	67.5	60.00

HDMI/DVI-DTV mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480	31.469	59.94
	31.5	60
720x576	31.25	50
1280x720	37.5	50
	44.96	59.94
	45	60
1920x1080	33.72	59.94
	33.75	60
	28.125	50
	26.97	23.97
	27	24
	33.716	29.976
	33.75	30.00
	56.25	50
	67.43	59.94
	67.5	60

LCD TV Models / LED LCD TV Models

RGB-PC, HDMI/DVI-PC mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x400	31.468	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1280x768	47.78	59.87
1360x768	47.72	59.80
1280x1024	63.981	60.02
1920x1080 (RGB-PC)	66.587	59.93
1920x1080 (HDMI-PC)	67.5	60.00

HDMI/DVI-DTV mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480	31.469	59.94
	31.5	60
720x576	31.25	50
1280x720	37.5	50
	44.96	59.94
	45	60
1920x1080	33.72	59.94
	33.75	60
	28.125	50
	26.97	23.97
	27	24
	33.716	29.976
	33.75	30.00
	56.25	50
	67.43	59.94
	67.5	60

NOTE

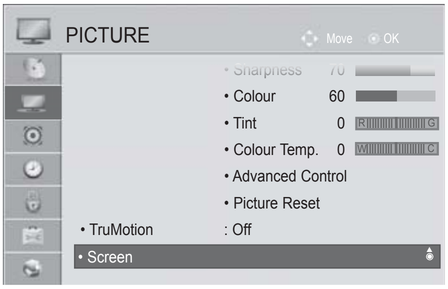
- ▶ Avoid keeping a fixed image on the set's screen for prolonged periods of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible.
- ▶ There may be interference relating to resolution, vertical pattern, contrast or brightness in PC mode. Change the PC mode to another resolution or change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.
- ▶ The synchronization input waveform for Horizontal and Vertical frequencies are separate.
- ▶ We recommend using 1920x1080, 60 Hz for the PC mode, this should provide the best picture quality.
- ▶ Connect the signal cable from the monitor output port of the PC to the RGB (PC) port of the TV or the signal cable from the HDMI output port of the PC to the HDMI IN (or HDMI/DVI IN) port on the TV.
- ▶ Connect the audio cable from the PC to the Audio input on the TV. (Audio cables are not included with the TV).
- ▶ If using a sound card, adjust PC sound as required.
- ▶ If the graphic card on the PC does not output analogue and digital RGB simultaneously, connect only one of either RGB or HDMI IN (or HDMI/DVI IN) to display the PC output on the TV.
- ▶ If the graphic card on the PC does output analogue and digital RGB simultaneously, set the TV to either RGB or HDMI; (the other mode is set to Plug and Play automatically by the TV.)
- ▶ DOS mode may not work depending on the video card if you use an HDMI to DVI cable.
- ▶ If you use too long an RGB-PC cable, there may be interference on the screen. We recommend using under 5m of cable. This provides the best picture quality.

SCREEN SETUP FOR PC MODE

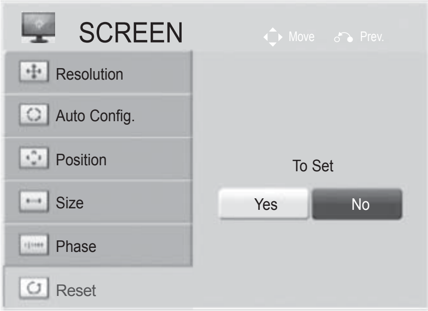
Screen Reset

Returns Position, Size and Phase to the factory default settings.

This function works in the following mode : RGB[PC].


PICTURE
Move
OK

• Sharpness 70
• Colour 60
• Tint 0
• Colour Temp. 0
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen


SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset
To Set
Yes
No

1. Select **PICTURE**.
2. Select **Screen**.
3. Select **Reset**.
4. Select **Yes**.
5. Run **Reset**.

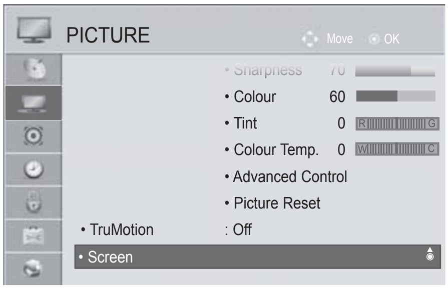
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

Auto Configure (RGB [PC] mode only)

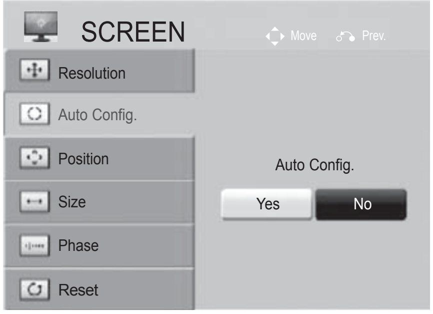
Automatically adjusts the picture position and minimizes image instability. After adjustment, if the image is still not correct, your TV is functioning properly but needs further adjustment.

Auto configure

This function is for automatic adjustment of the screen position, size, and phase The displayed image will be unstable for a few seconds while the auto configuration is in progress.


PICTURE
Move
OK
• Advanced Control
• Picture Reset
• Screen

• Sharpness 70
• Colour 60
• Tint 0 R G
• Colour Temp. 0 W C
• TruMotion : Off


SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset
Auto Config.
Yes
No

---

1. Select **PICTURE**.
2. Select **Screen**.
3. Select **Auto Config.**.
4. Select **Yes**.
5. Run **Auto Config.**.

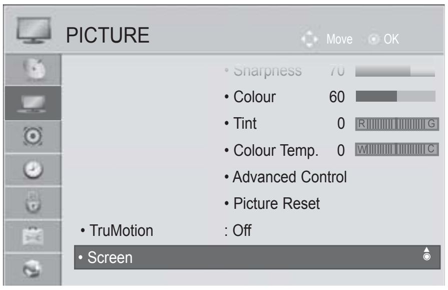
- If the position of the image is still not correct, try Auto adjustment again.
- If picture needs to be adjusted again after Auto adjustment in RGB (PC), you can adjust the **Position**, **Size** or **Phase**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

Selecting Resolution

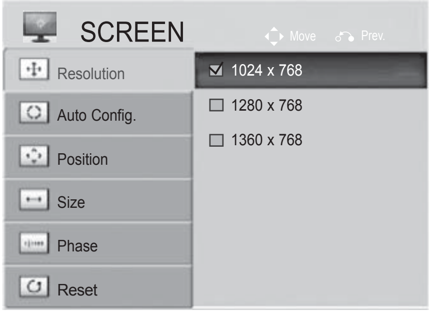
To view a normal picture, match the resolution of RGB mode and selection of PC mode.

This function works in the following mode: RGB[PC]



PICTURE

• Sharpness 70
• Colour 60
• Tint 0
• Colour Temp. 0
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen



SCREEN

- Resolution
- Auto Config.
- Position
- Size
- Phase
- Reset

☑ 1024 x 768
☐ 1280 x 768
☐ 1360 x 768

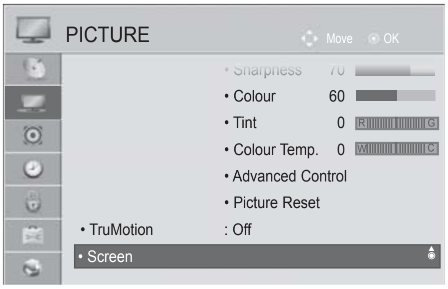
1. Select **PICTURE**.
2. Select **Screen**.
3. Select **Resolution**.
4. Select the desired resolution.
5. OK

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

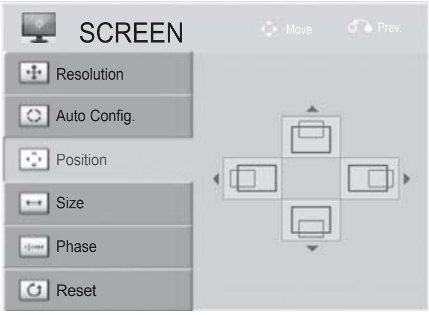
Adjustment for screen Position, Size, Phase

If the picture is not clear after auto adjustment and especially if characters are still trembling, adjust the picture position manually.

This function works in the following mode : RGB[PC].


PICTURE
Move
OK

- Sharpness 70
- Colour 60
- Tint 0 R G
- Colour Temp. 0 W C
- Advanced Control
- Picture Reset
- TruMotion : Off
- Screen


SCREEN
Move
Prev.
Resolution
Auto Config.
Position
Size
Phase
Reset

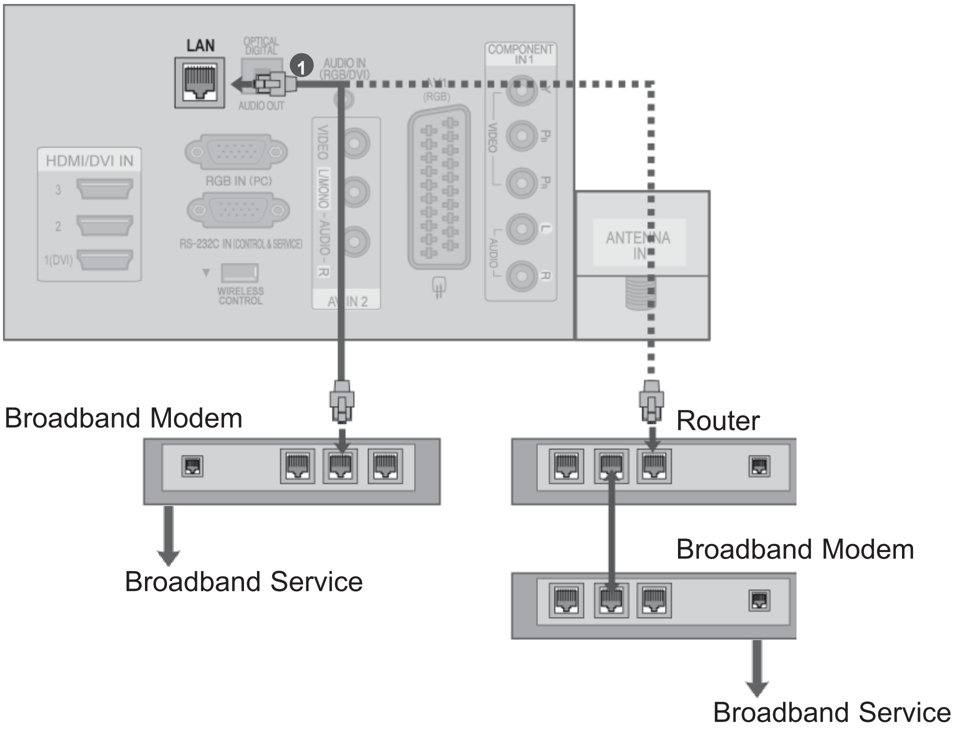
1. Select **PICTURE**.
2. Select **Screen**.
3. Select **Position**, **Size** or **Phase**.
4. Make appropriate adjustments.
5.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NETWORK SETUP

Wired Network Connection

This TV can be connected to a local area network (LAN) via the LAN port. After making the physical connection, the TV needs to be set up for network communication.


LAN
OPTICAL DIGITAL
AUDIO OUT
1
AUDIO IN (RGB/DVI)
COMPONENT IN 1
HDMI/DVI IN
3
2
1(DVI)
RGB IN (PC)
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
L/MONO – AUDIO – R
AV IN 2
AV 1 (RGB)
VIDEO
AUDIO
ANTENNA IN
Broadband Modem
Router
Broadband Service
Broadband Modem
Broadband Service

---

① Connect the LAN port of the Modem or Router to the LAN port on the TV.

② Select "**Network Setting**" in the **NETWORK** menu.

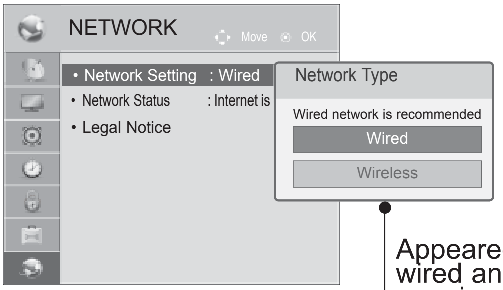
③ After connecting the **LAN** port, use the **NetCast** menu. For more information about NETCAST setup and trouble-shooting, visit http://lgknowledgebase.com. Search for **NetCast**.

⚠ CAUTION

- ► Do not connect a modular phone cable to the LAN port.
- ► Since there are various connection methods, please follow the specifications of your telecommunication carrier or internet service provider.

Wired Network Setup

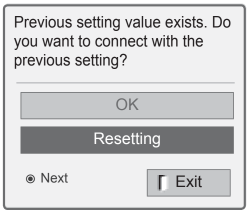
If wired and wireless networks are both available, wired is the preferred method.
After making a physical connection, a small number of home networks may require the TV network settings to be adjusted.
For detail information, contact your internet provider or router manual.


NETWORK
Move
OK
• Network Setting : Wired
• Network Status : Internet is
• Legal Notice
Network Type
Wired
Wireless

Wired network is recommended

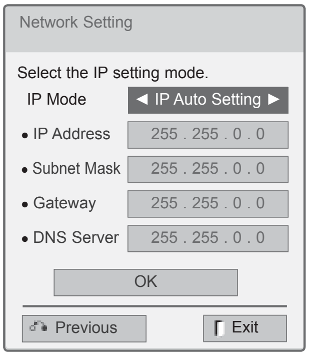
Appeared when wired and wireless are simultaneously connected.

If you already set the **Network Setting**


OK
Resetting
Next
Exit

Previous setting value exists. Do you want to connect with the previous setting?

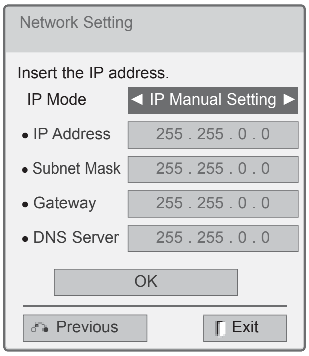
IP Auto Setting


Network Setting
OK
Previous
Exit

Select the IP setting mode.

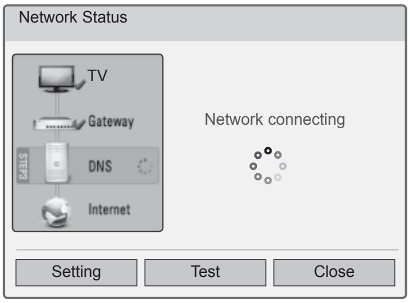
IP Mode ◄ IP Auto Setting ►
- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0

IP Manual Setting


Network Setting
OK
Previous
Exit

Insert the IP address.

IP Mode ◄ IP Manual Setting ►
- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0


Network Status
TV
Gateway
DNS
Internet
STEP3
Setting
Test
Close

Network connecting

1 Select **NETWORK**.

2 Select **Network Setting**.

3 Select **Wired**.

4 If you already set Network Setting: Select **Resetting**. The new connection settings resets the current network settings.

5 Select **IP Auto Setting** or **IP Manual Setting**.

When Selecting **IP Manual Setting:**
IP addresses will need to be input manually.

6 Select **OK**.

- This feature requires an always-on broadband internet connection.
- You do not need to connect to a PC to use this function.
- If **Network Setting** is not working, check your network conditions. Check the LAN cable and make sure your router has DHCP turned on if you wish to use the Auto Setting.
- If the **Network Setting** is not completed, network may not operate normally.
- **IP Auto Setting**: Select it if there is a DHCP server on the local area network (LAN) via wired connection, the TV will automatically be allocated an IP address. If you're using a broadband router or broadband modem that has a DHCP (Dynamic Host Configuration Protocol) server function, the IP address will automatically be determined.
- **IP Manual Setting**: Select it if there is no DHCP server on the network and you want to set the IP address manually.

EXTERNAL EQUIPMENT SETUP

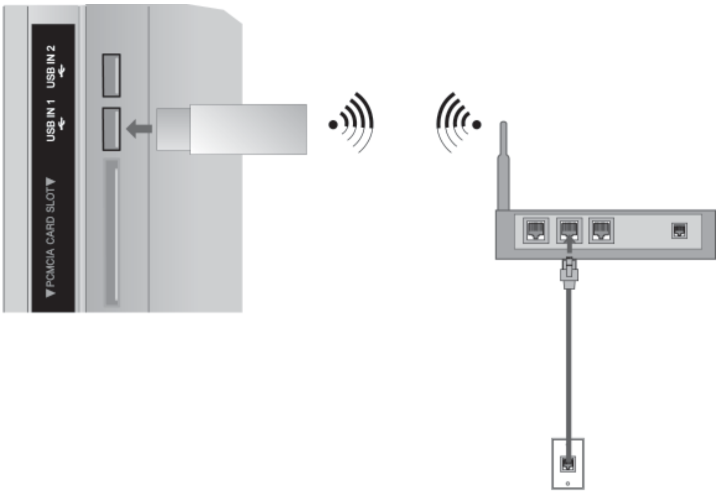
NOTE

- ► For more information about Netcast setup and troubleshooting, visit **http://lgknowledgebase.com**. Search for Netcast.
- ► Use a standard LAN cable with this TV. Cat5 or better with a RJ45 connector.
- ► Many network connection problems during set up can often be fixed by re-setting the router or modem. After connecting the player to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- ► Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.
- ► LG is not responsible for any malfunction of the TV and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- ► LG is not responsible for problems within your internet connection.
- ► Some content available through the network connection may not be compatible with the TV. If you have questions about such content, please contact the producer of the content.
- ► You may experience undesired results if the network connection speed does not meet the requirements of the content being accessed.
- ► Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- ► Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- ► A 10 Base-T or 100 Base-TX LAN port is required for connection to this TV. If your internet service does not allow for such a connection, you will not be able to connect the TV.
- ► A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this TV or you may be limited to the number of devices you can connect at the same time. (If your ISP limits its sub-scription to one device, this TV may not be allowed to connect when a PC is already connected.)
- ► The use of a “Router” may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- ► The wireless network operates at 2.4 GHz radio frequencies that are also used by other household devices such as cordless telephone, Bluetooth® devices, microwave oven, and can be affected by interference from them. It can be interrupted by the device using 5 Ghz radio frequencies. It is same device with LG wireless media box, cordless telephone, other Wi-Fi device.
- ► It may decrease the service speed using Wireless network by surrounding wireless condition.
- ► Turn off all unused network equipment in your local home network. Some devices may generate network traffic.
- ► In some instances, placing the access point or wireless router higher up away from the floor may improve the reception.
- ► The reception quality over wireless depends on many factors such as type of the access point, distance between the TV and access point, and the location of the TV.
- ► When connecting internet through the wired/wireless sharing machine, it may interrupt the connection because of the use limitation and confirmation of service company.
- ► To connect wireless AP, an AP that supports the wireless connection is necessary, and the wireless connection function of the AP needs to be activated. Please enquire to the AP supplier for the possibility of AP wireless connections.
- ► Please verify the security settings of AP SSID for wireless AP connection, and enquire to the AP supplier for the AP SSID security settings.
- ► The TV can become slower or malfunction with wrong settings of network equipments (wired/wireless router, hub, etc). Please install correctly by referring to the manual of the equipment, and set the network.
- ► When AP is set to include 802.11 n(Except for Russia), and if Encryption is designated as WEP(64/128bit) or WPA(TKIP/AES), the connection may not be possible. There may be different connection methods according to the AP manufacturers.

Wireless Network Connection

The LG Wireless LAN for Broadband/DLNA Adaptor, allows the TV to connect to a wireless lan network.

The network configuration and connection method may vary depending on the equipment in use and the network environment. Refer to the setup instructions supplied with your access point or wireless router for detailed connection steps and network settings.



① Connect the “LG **Wireless LAN for Broadband/DLNA Adaptor**” to the **USB IN 1** or **USB IN 2** jack on the TV.

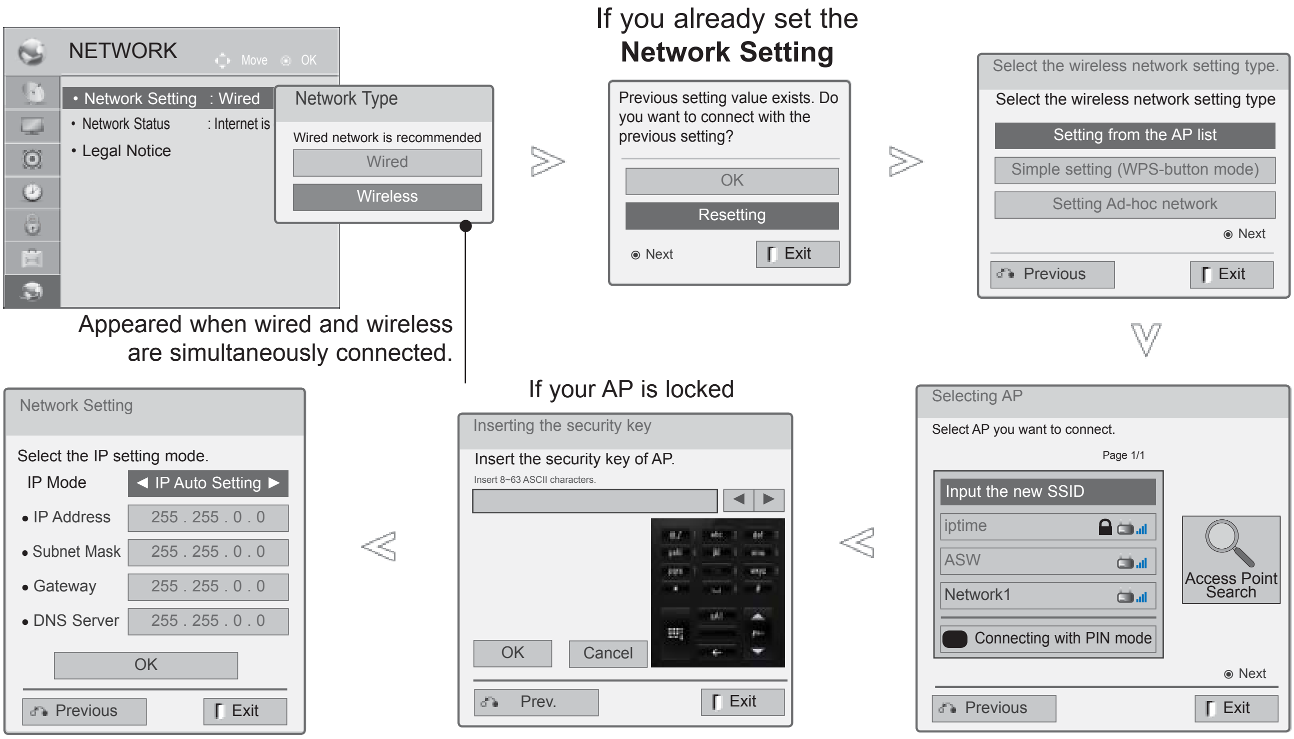
② Select “**Network Setting**” in the **NETWORK** menu.
After connecting, you can use the **NetCast** menu.

NOTE

- ► For enjoying pictures, music, or video stored in the PC using the router, the use of wired port in the router is recommended.
- ► When the wireless port of the router is used, there may be restrictions for some functions.

Wireless Network Setup

Setting up the AP (Access Point) or the wireless router is required before connecting the TV to the network.



NETWORK

- Network Setting : Wired
- Network Status : Internet is
- Legal Notice

Network Type

Wired network is recommended

Wired

Wireless

Appeared when wired and wireless are simultaneously connected.

If you already set the **Network Setting**

Previous setting value exists. Do you want to connect with the previous setting?

OK

Resetting

Select the wireless network setting type.

Select the wireless network setting type

Setting from the AP list

Simple setting (WPS-button mode)

Setting Ad-hoc network

Selecting AP

Select AP you want to connect.

Page 1/1

Input the new SSID

iptime

ASW

Network1

Connecting with PIN mode

Access Point Search

If your AP is locked

Inserting the security key

Insert the security key of AP.

Insert 8~63 ASCII characters.

OK

Cancel

Network Setting

Select the IP setting mode.

IP Mode ◄ IP Auto Setting ►

- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0

OK

---

1 Select **NETWORK**.

2 Select **Network Setting**.

3 Select **Wireless**.

4 If you already set Network Setting: Select **Resetting**.
The new connection settings resets the current network settings.

5 Select **Setting from the AP list**.

6 Scan the all available AP (Access Point) or wireless routers within range and display them as a list.

7 Select an AP (Access Point) or wireless router on the list.
(If your AP is locked, insert the security key of AP).

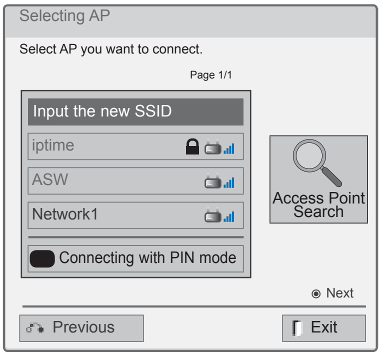
8 Input the security key of AP.

9 Repeat step 4-5 on P.20.

When a security code is already set

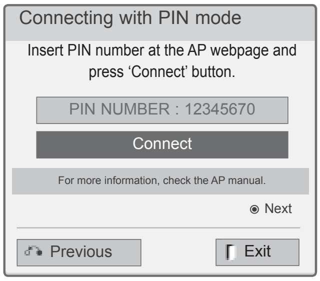
PIN (Personal Identification Number)

If you want to connect the AP (Access Point) or router with PIN, use this feature.


Selecting AP

Select AP you want to connect.

Page 1/1
Input the new SSID
iptime
ASW
Network1
Connecting with PIN mode
Access Point Search
Next
Previous
Exit


Connecting with PIN mode

Insert PIN number at the AP webpage and press ‘Connect’ button.

PIN NUMBER : 12345670

For more information, check the AP manual.

Connect
Next
Previous
Exit

1 Repeat step 1-6 on P.24.

2 **RED** Connect the access point with **PIN** mode.

3 You can see the Network ID and Security Key on your TV screen.
Enter the PIN number to your device.

4 OK Select **Connect**.

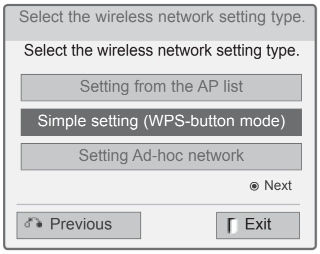
5 Repeat step 4-5 on P.20.

- PIN number is the unique 8 digit number of the dongle.

EXTERNAL EQUIPMENT SETUP

Simple setting (WPS-button mode)

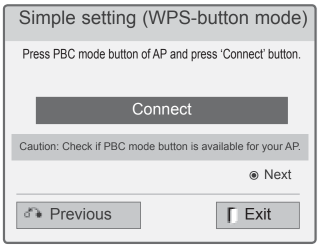
If your access point or wireless router that supports PIN or WPS (Wi-Fi Protected Setup), it's available to use your access point or wireless router within 120 counts. You do not need to know the access point name (SSID: Service Set Identifier) and security code of your access point or wireless router.



Select the wireless network setting type.

Select the wireless network setting type.

Setting from the AP list
Simple setting (WPS-button mode)
Setting Ad-hoc network
◉ Next
Previous
Exit



Simple setting (WPS-button mode)

Press PBC mode button of AP and press 'Connect' button.

Caution: Check if PBC mode button is available for your AP.

Connect
◉ Next
Previous
Exit

1 Repeat step 1-4 on P.24.

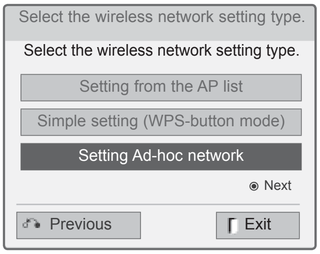
2 Select **Simple setting (WPS-button mode)**.

3 Select **Connect**.

4 Repeat step 4-5 on P.20.

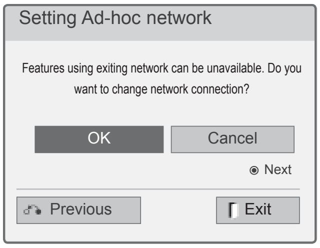
Ad-hoc Mode

This is the method of communicating directly with the machine to communicate without AP.
This is the same as connecting two PCs with a cross cable.



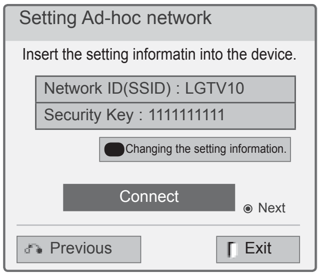
Select the wireless network setting type.

Select the wireless network setting type.



Setting Ad-hoc network

Features using exiting network can be unavailable. Do you want to change network connection?

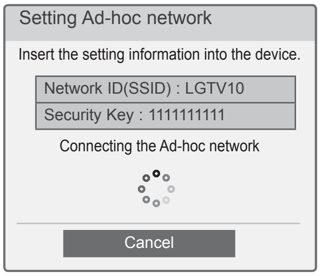


Setting Ad-hoc network

Insert the setting informatin into the device.

Network ID(SSID) : LGTV10
Security Key : 1111111111

Changing the setting information.



Setting Ad-hoc network

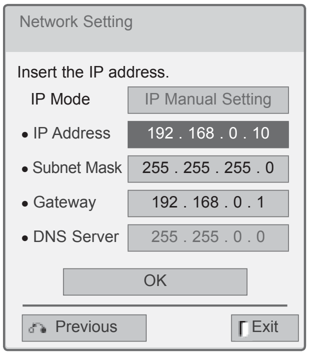
Insert the setting information into the device.

Network ID(SSID) : LGTV10
Security Key : 1111111111

Connecting the Ad-hoc network

- Example of the PC setting that supports a wireless network

1. Find a wireless network device in your PC.
2. Select LGTV10 that appears in the list. (Select the same name as the network ID that appears on your TV screen.)
3. Type 1111111111 in the Inserting the security key dialog.
   (Type the security key that appears on your TV screen.)



Network Setting

Insert the IP address.

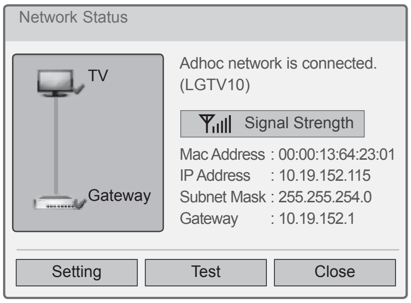
IP Mode: IP Manual Setting
- IP Address: 192 . 168 . 0 . 10
- Subnet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 0 . 1
- DNS Server: 255 . 255 . 0 . 0

- PC Setting

Internet Protocol(TCP/IP) of PC needs to be set manually.
IP address, Subnet Mask, and default Gateway can be set with your own discretion.
i.e) IP address: 192.168.0.1 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.10

- TV Setting

Verify IP address and gateway of PC.
Input Gateway address of PC to IP Address, and IP Address of PC to Gateway, and select **OK**.
i.e) IP address: 192.168.0.10 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.1



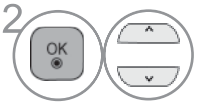
Network Status

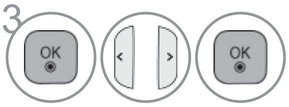
Adhoc network is connected. (LGTV10)

Mac Address : 00:00:13:64:23:01
IP Address : 10.19.152.115
Subnet Mask : 255.255.254.0
Gateway : 10.19.152.1

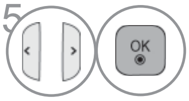
---

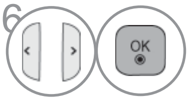
1 Repeat step 1-3 on P.24.

2 
Select **Setting Ad-hoc network**.

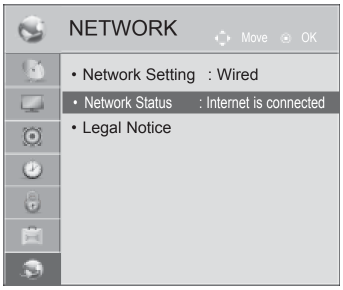
3 
Select **OK**.

4
Select **Connect** to connect Ad-hoc network.
You can see the Network ID and Security Key on your TV screen.
Enter this Network ID and Security Key to your device.If a network may not operate, change the setting information using the RED button.

5 
Insert the IP address.

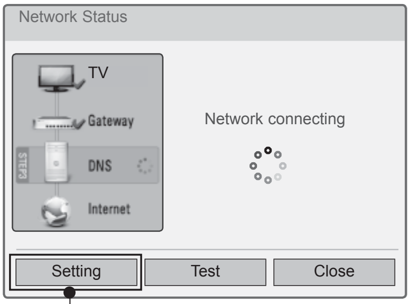
6 
Network setting is completed.
Select **Close**.

Network Status



NETWORK

- Network Setting : Wired
- Network Status : Internet is connected
- Legal Notice

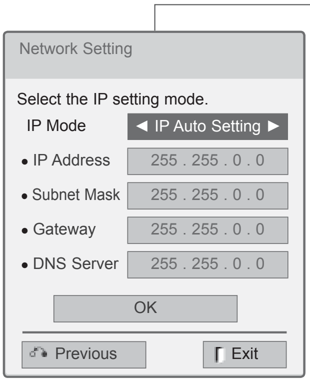


Network Status

TV
Gateway
DNS
Internet
STEP3

Network connecting

Setting
Test
Close



Network Setting

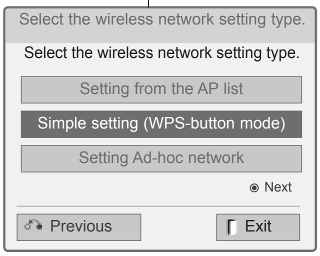
Select the IP setting mode.

IP Mode ◄ IP Auto Setting ►

- IP Address 255 . 255 . 0 . 0
- Subnet Mask 255 . 255 . 0 . 0
- Gateway 255 . 255 . 0 . 0
- DNS Server 255 . 255 . 0 . 0

OK
Previous
Exit

Wired Connection



Select the wireless network setting type.

Select the wireless network setting type.

Setting from the AP list
Simple setting (WPS-button mode)
Setting Ad-hoc network
Next
Previous
Exit

Wireless Connection

1 Select **NETWORK**.

2 Select **Network Status**.

3 Check the network status.

- **Setting**: Return to the network setting menu or wireless network setting type menu.
- **Test**: Test the current network status after setting the network.
- **Close**: Return to the previous menu.

WATCHING TV / PROGRAMME CONTROL

TURNING ON THE TV

When your TV is turned on, you will be able to use its features.

❶ Firstly, connect the power cord correctly.
At this stage, the TV switches to standby mode.

❷ In standby mode to turn TV on, press the ⏻ **/ I, INPUT** or **P** ∧ ∨ button on the TV or press the **POWER**, **INPUT**, **P** ∧ ∨ or **NUMBER** button on the remote control and the TV will switch on.

INITIALIZING SETUP

❶ If the OSD (On Screen Display) is displayed on the screen after turning on the TV, you can adjust the **Language**, **Mode Setting**, **Power Indicator**(When you select **Home Use** from **Mode Setting**-Only LED LCD TV models), **Country**(Except for 32/37/42LE49**, 32/37/42/47/55LE59**, 42/47LE7390, 32/37/42/47/55LE79**, 42/47/55LE89**, 32/37/42LD49**, 32/37/42/47/55LD69**, 32/42/47LD79**, 32/37/42LD89**, 42/47LX69**, 50/60PK59*, 50/60PK79**, 50/60PK99**, 50/60PX99**) or **Time Zone** (When Russia is selected for Country) or **Set Password**(When France is selected for Country), **Auto Tuning**.

Note:

a.If you close without completing the initial setting, the Initial Setting menu can be displayed again.
b.Press the BACK button to change the current OSD to the previous OSD.
c.For those countries without confirmed DTV broadcasting standards, some DTV features might not work, depending on the DTV broadcasting environment.
d."Home Use" mode is the optimal setting for home environments, and is the TV's default mode.
e."Store Demo" mode is the optimal setting for store environments. If a user modifies image quality data, "Store Demo" mode initializes the product to the image quality set by us after a certain period of time.
f. The mode (Home Use, Store Demo) can be changed by executing Mode Setting in the OPTION menu.
g. When France is selected for Country, password is not '0', '0', '0', '0' but '1', '2', '3', '4'.

PROGRAMME SELECTION

❶ Press the **P** ∧ ∨ or NUMBER buttons to select a programme number.

VOLUME ADJUSTMENT

❶ Press the ⊿ **+** or **-** button to adjust the volume.

❷ If you wish to switch the sound off, press the MUTE button.

You can cancel this function by pressing the MUTE, ⊿ **+** , **-** or AV Mode button.

WATCHING TV / PROGRAMME CONTROL

QUICK MENU

Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
Q.Menu (Quick Menu) is a menu of features which users might use frequently.

Aspect Ratio: Selects your desired picture format.
For Zoom Setting, select 14:9, Zoom and Cinema Zoom in Ratio Menu. After completing Zoom Setting, the display goes back to Q.Menu.

Clear Voice II : By differentiating the human sound range from others, it helps users listen to human voices better.

Picture Mode : Selects your desired Picture Mode.

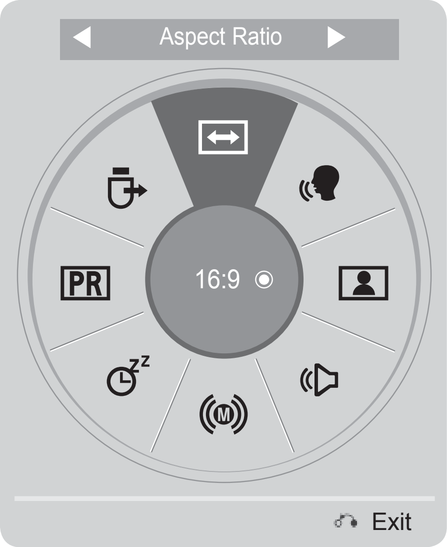
Sound Mode : It is a feature to automatically set the sound combination which it deems the best for the images being watched. Selects your desired Sound Mode.

Audio or **Audio Language** : Selects the sound output.

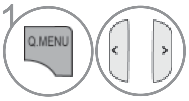
Sleep Timer : Sets the sleep timer.

Skip Off/On : Selects the Skip Off/On.

USB Device : Selects “Eject” in order to eject USB device.

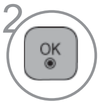


1



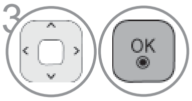
Display each menu.

2



Select your desired Source.

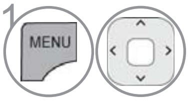
3



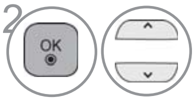
- Press the **Q.MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

ON SCREEN MENUS SELECTION AND ADJUSTMENT

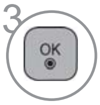
Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.

1


Display each menu.

2


Select a menu item.

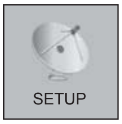
3


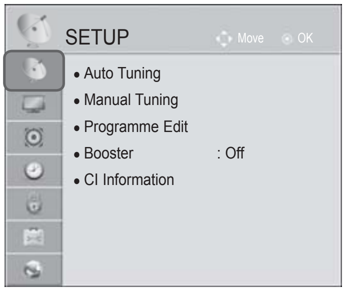
Move to the pop up menu.

- Press the **RED** button, you can check the **Customer Support** menu.
- Press the **GREEN** button, you can check the **Simple Manual** menu.
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

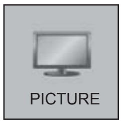
NOTE

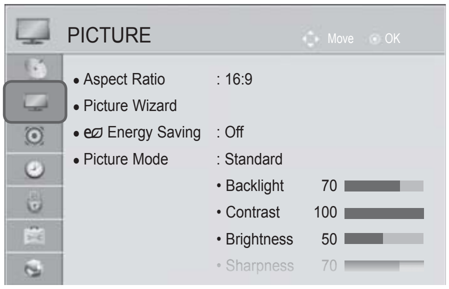
► It is possible to use **ISM Method** in Plasma TV models only.
► It is possible to use **Backlight, Power Indicator** in LCD TV/LED LCD TV models only.
► It is not possible to use **CI Information** in Analogue mode.



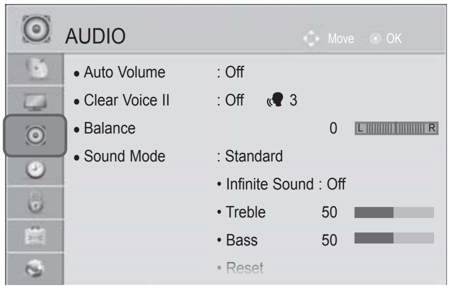


SETUP
- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information

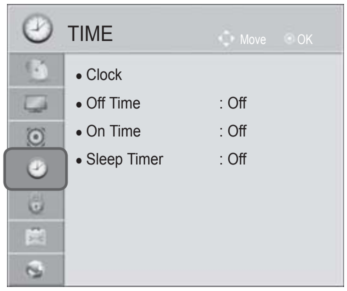




PICTURE
- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70

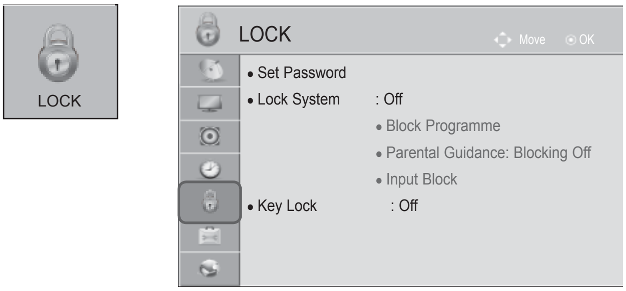


AUDIO
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset

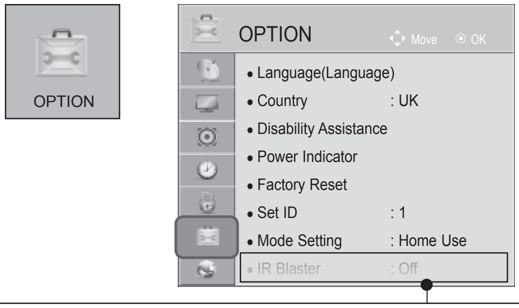


TIME
- Clock
- Off Time : Off
- On Time : Off
- Sleep Timer : Off

WATCHING TV / PROGRAMME CONTROL

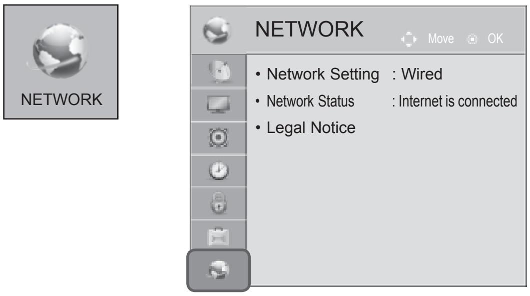

LOCK
LOCK
Move
OK

- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

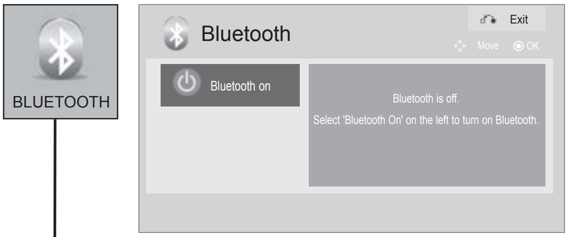

OPTION
OPTION
Move
OK

- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off

- For further information, refer to the optional **“Wireless Media Box”** manual for operating instructions. (Except for 32/37/42LD4***)

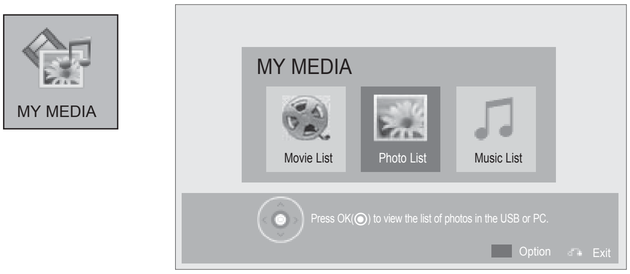

NETWORK
NETWORK
Move
OK

- Network Setting : Wired
- Network Status : Internet is connected
- Legal Notice

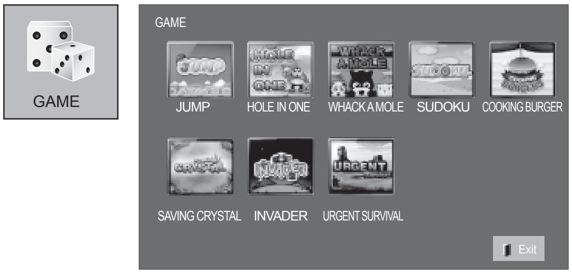

BLUETOOTH
Bluetooth
Exit
Move
OK
Bluetooth on

Bluetooth is off.
Select 'Bluetooth On' on the left to turn on Bluetooth.

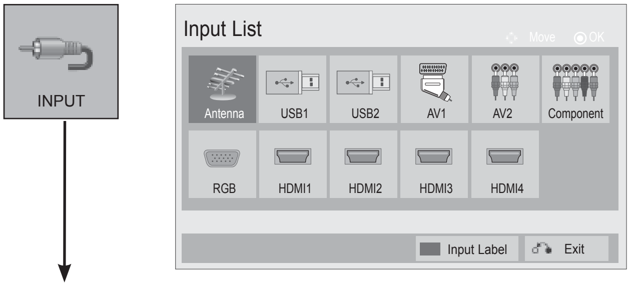
(Except for 32/37/42LE4***, 32/37/42/47/55LE5***, 42/47LE73**, 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***, 42/47LX6***, 47/55LX9***, 50/60PK5**, 50/60PX9***)


MY MEDIA
MY MEDIA
Movie List
Photo List
Music List
Option
Exit

Press OK(◉) to view the list of photos in the USB or PC.


GAME
GAME
JUMP
HOLE IN ONE
WHACK A MOLE
SUDOKU
COOKING BURGER
SAVING CRYSTAL
INVADER
URGENT SURVIVAL
Exit

■ Image shown may differ from your TV.


INPUT
Input List
Move
OK
Antenna
USB1
USB2
AV1
AV2
Component
RGB
HDMI1
HDMI2
HDMI3
HDMI4
Input Label
Exit

(Only 32/37/42LE4***, 32/37/42/47/55LE5***, 42/47LE73**, 32/37/42LD4***, 32/37/42/47/55LD6***,

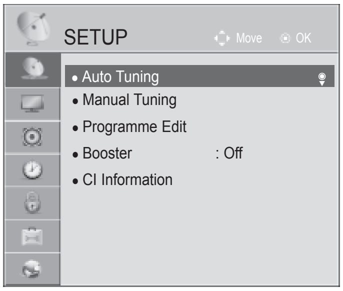
32/42/47LD7***, 32/37/42LD8***, 42/47LX6***, 47/55LX9***, 50/60PK5**, 50/60PX9***)

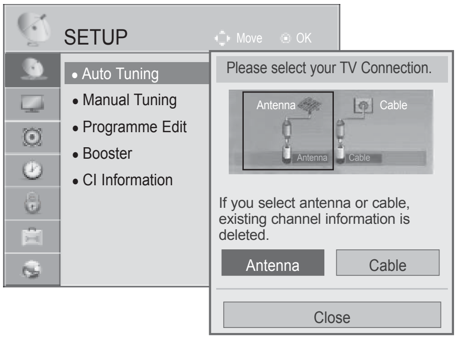
AUTO PROGRAMME TUNING

Use this to automatically find and store all available programmes.
When you start auto programming, all previously stored service information will be deleted.
The maximum number of programmes that can be stored is 1,000. But the number may differ slightly depending on broadcasting signals.

DVB-T, DVB-C Auto Tuning is a menu for users in countries that support DVB cable.

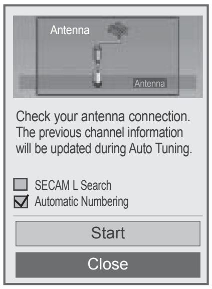
If you want to select the **Antenna**,


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : Off
• CI Information


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
Antenna
Cable
Antenna
Cable
Antenna
Cable
Close

Please select your TV Connection.

If you select antenna or cable, existing channel information is deleted.


Antenna
Antenna
Start
Close

Check your antenna connection. The previous channel information will be updated during Auto Tuning.

☐ SECAM L Search
☑ Automatic Numbering

1. Select **SETUP**.
2. Select **Auto Tuning**.
3. Select **Antenna**.
4. Select **Start**.
5. Run **Auto tuning**.

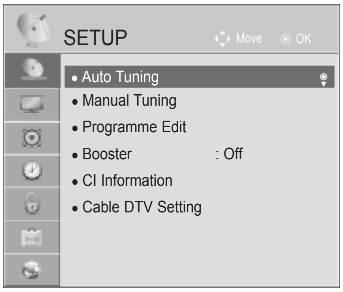
- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- If you wish to keep on auto tuning select **Start** using the ^ ˅ button. Then, press the **OK** button. Otherwise select **Close**.
- **Automatic Numbering**: Decide whether to use the programme numbers as sent by broadcasting stations for tuning.
- **SECAM L Search** : Except for 32/37/42LE49**, 32/37/42/47/55LE59**, 42/47LE7390, 32/37/42/47/55LE79**, 42/47/55LE89**, 32/37/42LD49**, 32/37/42/47/55LD69**, 32/42/47LD79**, 32/37/42LD89**, 42/47LX69**, 50/60PK59*, 50/60PK79**, 50/60PK99**, 50/60PX99**
- When select Italy in the **County** menu, If the pop up is displayed when the conflicted programme after Auto Tuning, select a broadcaster for Conflicting programme number to solve.

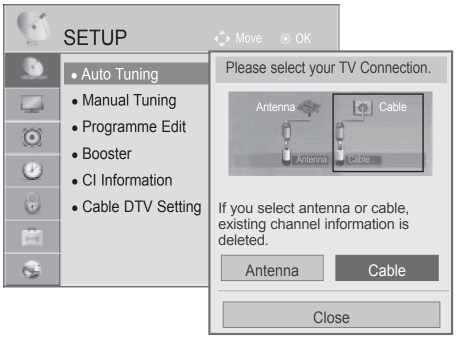
- In the following country, DVB cable can be used : Germany, Netherlands, Sweden, Switzerland, Denmark, Austria, Finland, Norway, Slovenia, Hungary, Ukraine(Except for 42/47LX6***, 47/55LX9***, 50/60PX9***).(The supported country can be added.)
- In the following country, Digital TV can not be used : Slovakia, Bosnia, Serbia, Bulgaria, Albania, Kazakhstan

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

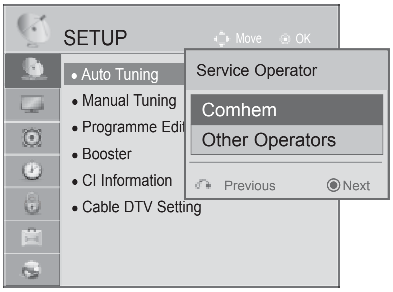
If you want to select the **Cable**,


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : Off
• CI Information
• Cable DTV Setting


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
• Cable DTV Setting
Antenna
Cable
Antenna
Cable
Close

Please select your TV Connection.

If you select antenna or cable, existing channel information is deleted.


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster
• CI Information
• Cable DTV Setting
Service Operator
Comhem
Other Operators
Previous
Next

1. Select **SETUP**.
2. Select **Auto Tuning**.
3. Select **Cable**.
4. Select **Comhem or Other Operators**.
5. Select **Quick or Full**.

- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- When you select the **Cable**, the **Cable Service Operator** selection screen can differ or not exist by the Cable situation of the applicable country.
- The popup window to select between **Service Operator** is only shown initially for the 3 cases when you accessing the **Initial Setting** menu, when you change from **Antenna** to **Cable** or when you access the menu after changing the **Country**.
- When you want to select between **Service Operator** aside from the above 3 cases, you can do so by selecting **Setup->Cable DTV Setting-> Service Operator**.

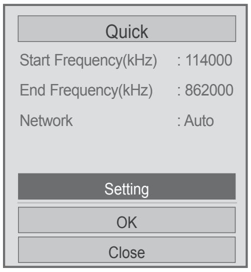
- Acquired certification SO : Sweden(Comhem, Canal Digital), Denmark(YouSee, Canal Digital, Stofa), Norway(Canal Digital), Netherlands(Ziggo)(Except for 42/47LX6***, 47/55LX9***, 50/60PX9***), Ukraine(Volia-Cable)(Except for 42/47LX6***, 47/55LX9***, 50/60PX9***).
- If there are not any Service Operator that you want, select **Other Operators**.
- If you select “Other Operators”, or the selected country supports “Other Operators” only, it may take some time to search all the channels, or it may not search some of the channels.

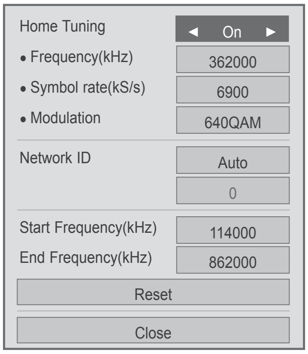
  If some of the channels do not appear, follow the steps below:

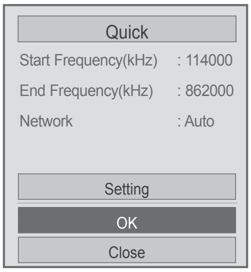
  1. **SETUP** -> **Auto Tuning** -> **Cable** -> **Setting**
  2. Switch **Home Tuning** from "**Off**" to "**On**"
  3. Input additional values such as the frequency, symbol rate, modulation, and network ID.
     (You can ask your cable service provider for the above information.)

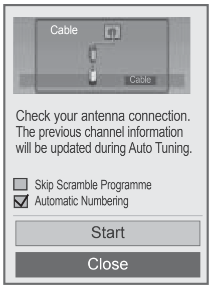
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

■ When you select the Quick,


Quick
Start Frequency(kHz) : 114000
End Frequency(kHz) : 862000
Network : Auto
Setting
OK
Close


Home Tuning ◄ On ►
• Frequency(kHz) 362000
• Symbol rate(kS/s) 6900
• Modulation 640QAM
Network ID Auto
0
Start Frequency(kHz) 114000
End Frequency(kHz) 862000
Reset
Close


Quick
Start Frequency(kHz) : 114000
End Frequency(kHz) : 862000
Network : Auto
Setting
OK
Close



Check your antenna connection. The previous channel information will be updated during Auto Tuning.
☐ Skip Scramble Programme
☑ Automatic Numbering
Start
Close

6 Select **Quick**.

7 Select **Setting**.

8 Make appropriate adjustments.

9 Select **Close**.

10 Select **OK**.

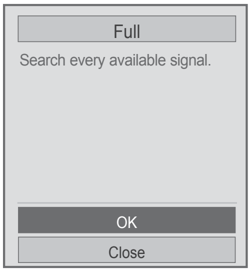
11 Select **Start**.

12 Run **Auto tuning**.

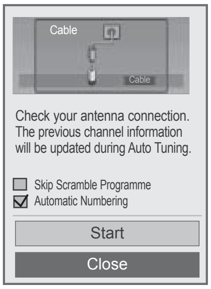
- If you wish to keep on auto tuning, select **Start** using the ^ v button. Then, press the **OK** button. Otherwise select **Close**.
- **Automatic Numbering**: Decide whether to use the programme numbers as sent by broadcasting stations for tuning.
- **Skip Scramble Programme** : Scramble Programme is skipped in **Auto Tuning** and **Manual Tuning**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

■ When you select the Full,



Search every available signal.



Check your antenna connection. The previous channel information will be updated during Auto Tuning.

6 Select **Full**.

7 Select **OK**.

8 Select **Start**.

9 Run **Auto tuning**.

- If you wish to keep on auto tuning, select **Start** using the ^ v button. Then, press the **OK** button. Otherwise select **Close**.
- **Automatic Numbering**: Decide whether to use the programme numbers as sent by broadcasting stations for tuning.
- **Skip Scramble Programme** : Scramble Programme is skipped in **Auto Tuning** and **Manual Tuning**.
- You can not select the **Full** when the service operator is set to "**Ziggo**" or "**Other Operators**" of Netherlands. (Except for 42/47LX6***, 47/55LX9***, 50/60PX9***)

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

The following values are needed in order to search all available programmes quickly and correctly.

The commonly used values are provided as "default".

However, for correct settings, please inquire of the cable service provider.

When running Auto Tuning in DVB cable mode, selecting Full will search through all frequencies to find available channels.

In the case when the programme is not searched by selecting the Default, perform the searching by selecting the Full.

However, in the case when the programme is searched by selecting the Full, the Auto Tuning time can be taken too much.

- **Frequency :** Enter a user-defined frequency.
- **Symbol rate :** Enter a user-defined symbol rate (Symbol rate: Speed at which a device such as modem sends symbols to a channel).
- **Modulation :** Enter a user-defined modulation. (Modulation: Loading of audio or video signals onto carrier).
- **Network ID :** Unique identifier allocated for each user.
- **Start Frequency :** Enter a user-defined start frequency range.
- **End Frequency :** Enter a user-defined end frequency range.

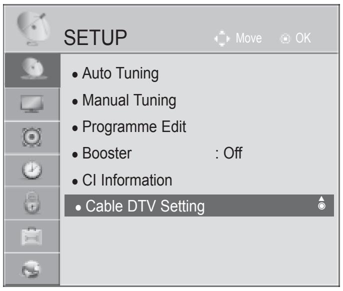
WATCHING TV / PROGRAMME CONTROL

CABLE DTV SETTING

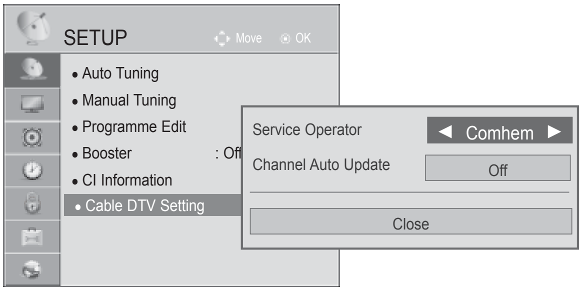
(IN CABLE MODE ONLY)

The range that a user can select from the Service Operator menu differs depending on number of Service Operator supported by each country, and if number of supported Service Operator for each country is 1, corresponding function becomes non-activation.

After changing Service Operator, a warning window saying that channel map will be deleted when **OK** button is pressed or Close is selected, and a Auto-tuning pop-up window appears when ‘**YES**’ is selected.


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information
• Cable DTV Setting

• Booster : Off


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information
• Cable DTV Setting
Close

• Booster : Off

Service Operator ◀ Comhem ▶

Channel Auto Update Off

---

1 Select **SETUP**.

2 Select **Cable DTV Setting**.

3 Select **Service Operator** or **Channel Auto Update**.

4 Select your desired Source.

- If you select **Cable**, you can see **Cable DTV Setting** menu.
- When **Channel Auto Update** is **On**, you can update information for all the programmes that can be updated, including the programme currently being watched.
- When **Channel Auto Update** is **Off**, you can only update information for the programme currently being watched.
- You can not select the **Cable DTV Setting** when the service operator is set to "**Ziggo**". (Except for 42/47LX6***, 47/55LX9***, 50/60PX9***)

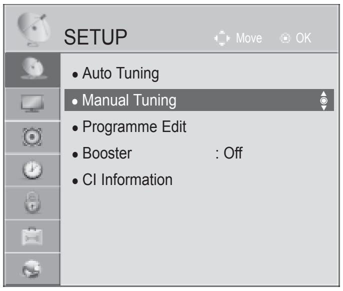
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

MANUAL PROGRAMME TUNING

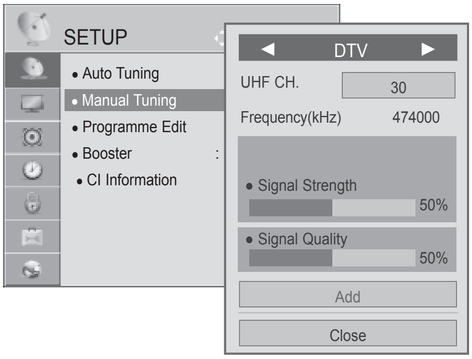
(IN DIGITAL MODE)

Manual Tuning lets you manually add a programme to your programme list.

If you want to select the **Antenna**,


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• CI Information

• Booster : Off

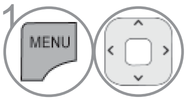

SETUP
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster :
• CI Information
◄ DTV ►
Add
Close

UHF CH. 30

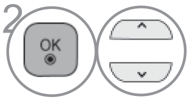
Frequency(kHz) 474000

• Signal Strength 50%

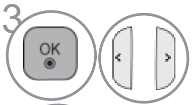
• Signal Quality 50%



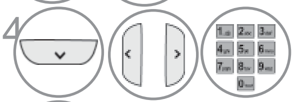
Select **SETUP**.



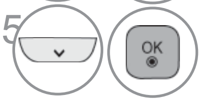
Select **Manual Tuning**.



Select **DTV**.


4
1
2
3
4
5
6
7
8
9
0

Select the desired channel number.



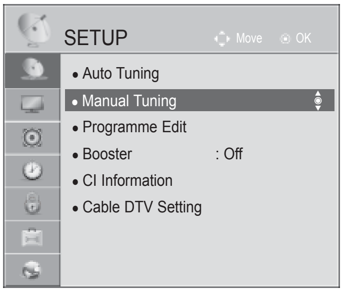
Select update or add if signal present.

- Use NUMBER buttons to input a 4-digit password in **Lock System** '**On**'.
- You can select **SBAND** when the country is set to "Norway, Latvia."

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

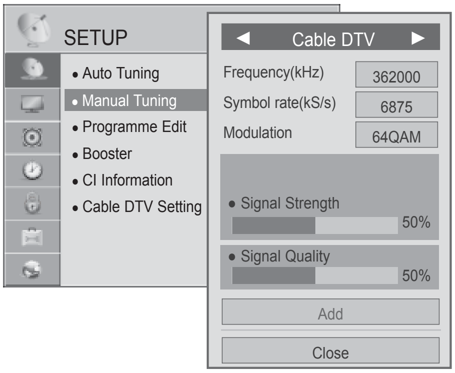
WATCHING TV / PROGRAMME CONTROL

If you want to select the **Cable**,



SETUP

- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information
- Cable DTV Setting



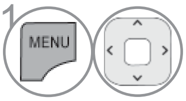
SETUP

- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster
- CI Information
- Cable DTV Setting

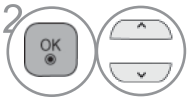
◄ Cable DTV ►

Frequency(kHz) 362000
Symbol rate(kS/s) 6875
Modulation 64QAM

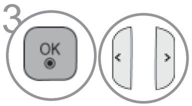
- Signal Strength 50%
- Signal Quality 50%



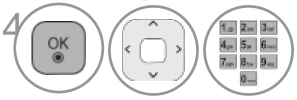
Select **SETUP**.



Select **Manual Tuning**.



Select **Cable DTV**.



Make appropriate adjustments.

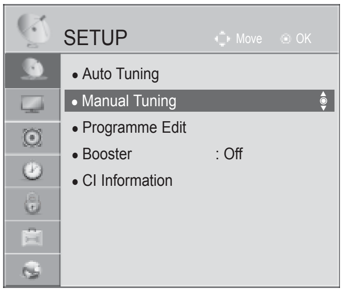
- Use NUMBER buttons to input a 4-digit password in **Lock System** '**On**'.
- **Symbol rate :** Enter a user-defined symbol rate (Symbol rate: Speed at which a device such as modem sends symbols to a channel).
- **Modulation :** Enter a user-defined modulation. (Modulation: Loading of audio or video signals onto carrier).
- You can not select the **Cable DTV** when the service operator is set to "**Ziggo**" or "**Other Operators**" of Netherlands. (Except for 42/47LX6***, 47/55LX9***, 50/60PX9***)

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

MANUAL PROGRAMME TUNING

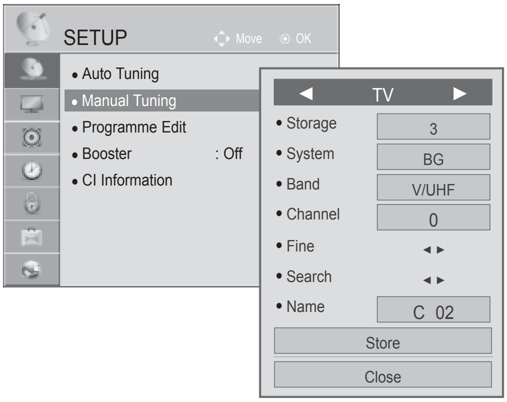
(IN ANALOGUE MODE)

Manual Tuning lets you manually tune and arrange the stations in whatever order you desire.



SETUP

- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information



SETUP

- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information

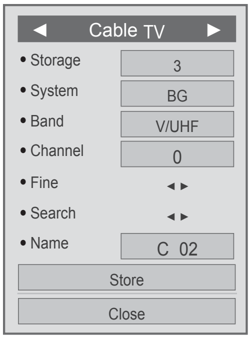
◀ TV ▶

- Storage 3
- System BG
- Band V/UHF
- Channel 0
- Fine ◀ ▶
- Search ◀ ▶
- Name C 02

Store

Close

or

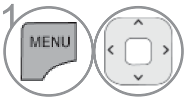


◀ Cable TV ▶

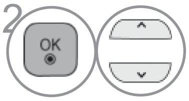
- Storage 3
- System BG
- Band V/UHF
- Channel 0
- Fine ◀ ▶
- Search ◀ ▶
- Name C 02

Store

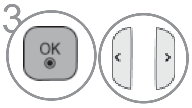
Close



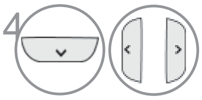
1 Select **SETUP**.



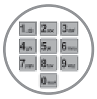
2 Select **Manual Tuning**.



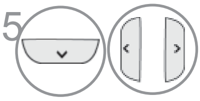
3 Select **TV** or **Cable TV**.



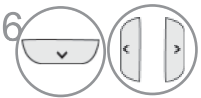
or



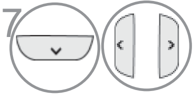
4 Select the desired programme number on.



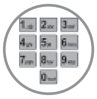
5 Select a TV system.



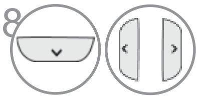
6 Select **V/UHF** or **Cable**.



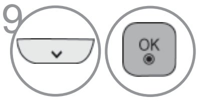
or



7 Select the desired channel number.



8 Commence searching.

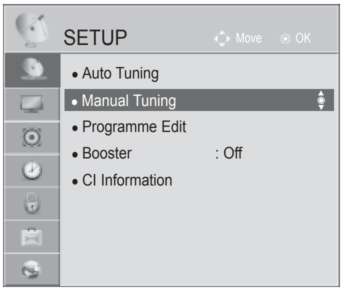


9 Select **Store**.

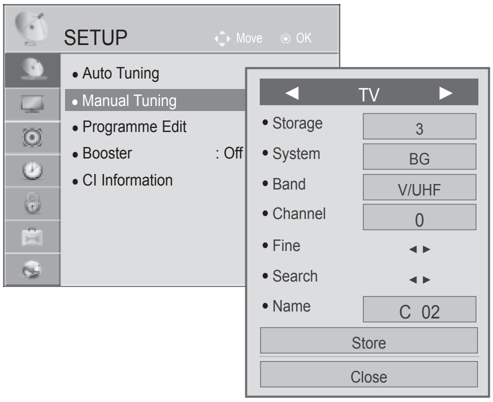
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

- Use NUMBER buttons to input a 4-digit password in **Lock System** ‘**On**’.
- **L** : SECAM L/L’ (France)
  BG : PAL B/G, SECAM B/G (Europe / East Europe / Asia / New Zealand / M.East / Africa)
  I : PAL I (U.K. / Ireland / Hong Kong / South Africa)
  DK : PAL D/K, SECAM D/K (East Europe / China / Africa / CIS)
- To store another channel, repeat steps 4 to 9.

WATCHING TV / PROGRAMME CONTROL



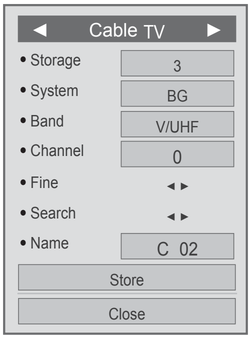
SETUP
- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information



SETUP
- Auto Tuning
- Manual Tuning
- Programme Edit
- Booster : Off
- CI Information

TV
- Storage 3
- System BG
- Band V/UHF
- Channel 0
- Fine ◄►
- Search ◄►
- Name C 02

or



Cable TV
- Storage 3
- System BG
- Band V/UHF
- Channel 0
- Fine ◄►
- Search ◄►
- Name C 02

■ Assigning a station name

You can assign a station name with five characters to each programme number.

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV** or **Cable TV**.

4 Select **Name**.

5 Select the position and make your choice of the second character, and so on.
You can use an the alphabet **A** to **Z**, the number **0** to **9**, +/ -, and blank.

6 Select **Close**.

7 Select **Store**.

■ Fine Tuning

Normally fine tuning is only necessary if reception is poor.

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV** or **Cable TV**.

4 Select **Fine**.

5 Fine tune for the best picture and sound.

6 Select **Store**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

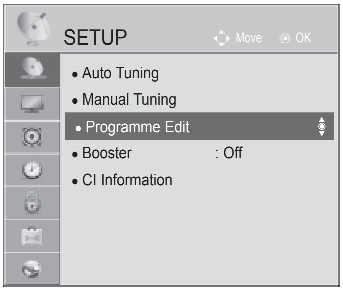
PROGRAMME EDIT

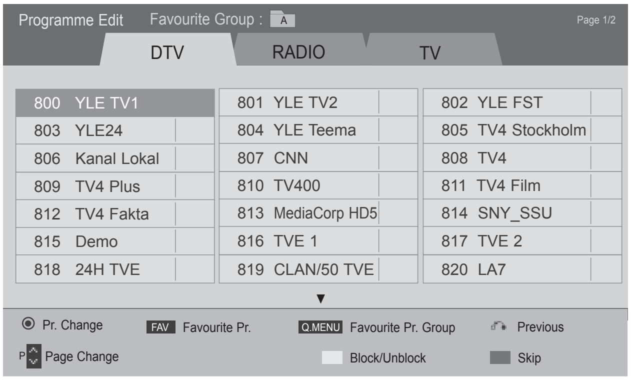
When a programme number is skipped, it means that you will be unable to select it using P ^ v button during TV viewing.

If you wish to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the Programme edit menu.

This function enables you to skip the stored programmes.

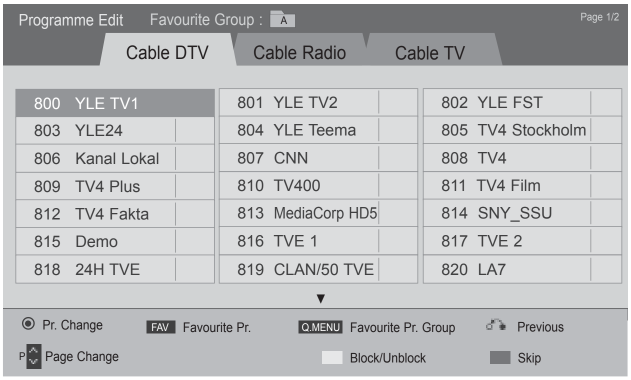
You can change the programme number using “Move”function, if “Automatic Numbering” is unchecked when you start Auto Tuning.


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : Off
• CI Information

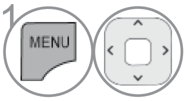

Programme Edit
Favourite Group : A
Page 1/2
DTV
RADIO
TV
Pr. Change
FAV Favourite Pr.
Q.MENU Favourite Pr. Group
Previous
P Page Change
Block/Unblock
Skip

800 YLE TV1	801 YLE TV2	802 YLE FST
803 YLE24	804 YLE Teema	805 TV4 Stockholm
806 Kanal Lokal	807 CNN	808 TV4
809 TV4 Plus	810 TV400	811 TV4 Film
812 TV4 Fakta	813 MediaCorp HD5	814 SNY_SSU
815 Demo	816 TVE 1	817 TVE 2
818 24H TVE	819 CLAN/50 TVE	820 LA7

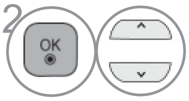
or


Programme Edit
Favourite Group : A
Page 1/2
Cable DTV
Cable Radio
Cable TV
Pr. Change
FAV Favourite Pr.
Q.MENU Favourite Pr. Group
Previous
P Page Change
Block/Unblock
Skip

800 YLE TV1	801 YLE TV2	802 YLE FST
803 YLE24	804 YLE Teema	805 TV4 Stockholm
806 Kanal Lokal	807 CNN	808 TV4
809 TV4 Plus	810 TV400	811 TV4 Film
812 TV4 Fakta	813 MediaCorp HD5	814 SNY_SSU
815 Demo	816 TVE 1	817 TVE 2
818 24H TVE	819 CLAN/50 TVE	820 LA7

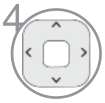


1 Select **SETUP**.



2 Select **Programme Edit**.

3 Enter the **Programme Edit**.



4 Select a programme to be stored or skipped.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

IN DTV/RADIO MODE

■ Skipping a programme number

1 Select a programme number to be skipped.

2 **BLUE** Turn the programme number to blue.

3 **BLUE** Release.

- When programmes are to be skipped, the skipped programme shows in blue and these programmes will not be selected by the **P** ^ ˅ buttons during TV viewing.
- If you wish to select a skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or EPG.

■ Locking a programme number

1 Select a programme number to be locked.

2 **YELLOW** Turn the programme number to yellow.

3 **YELLOW** Release.

- It can be registered as Lock programme even when Lock System is turned Off.

IN TV MODE

This function enables you to delete or skip the stored programmes.
You can also move some channels and use other programme numbers.

■ Deleting a programme

1 Select a programme number to be deleted.

2 **RED** Turn the programme number to red.

- The selected programme is deleted, all the following programmes are shifted up one

■ Moving a programme

1 Select a programme number to be moved.

2 **GREEN** Turn the programme number to green.

3 **GREEN** Release.

■ Skipping a programme number

1. Select a programme number to be skipped.
2. **BLUE** Turn the programme number to blue.
3. **BLUE** Release.

- When a programme number is skipped it means that you will be unable to select it using the **P** ^ ˅ button during normal TV viewing.
- If you wish to select a skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or EPG.

■ Auto Sort

1. OK Start Auto Sort.

- After activating Auto Sort once, you can no longer edit programmes.

■ Locking a programme number

1. Select a programme number to be locked.
2. **YELLOW** Turn the programme number to yellow.
3. **YELLOW** Release.

- It can be registered as Lock programme even when Lock System is turned Off.

■ Selecting favourite programme

Favourite programmes is a convenient feature that lets you quickly scan up to programmes of your choice without having to wait for the TV to scan through all the in-between programmes.

1. Select your desired programme.
2. MARK FAV CHAR/NUM Add corresponding programme to Favourite list of current Favourite group.
3. MARK FAV CHAR/NUM Release.

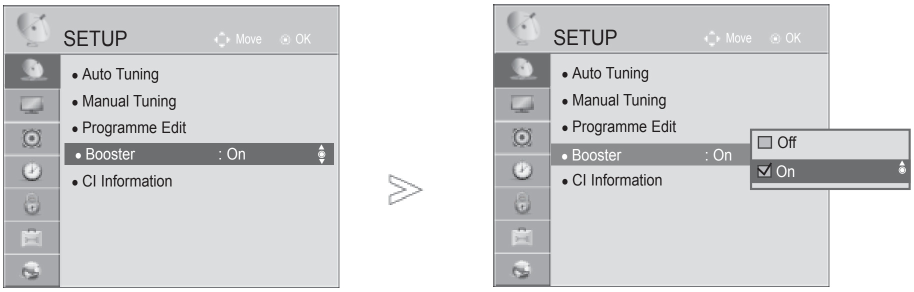
WATCHING TV / PROGRAMME CONTROL

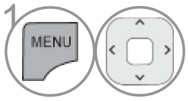
■ Selecting favourite programme group

1. Select your desired programme.
2. Display a pop-up window where Favourite group can be changed.
3. Select a Favourite group.

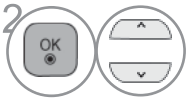
BOOSTER

If reception is poor select Booster to "On".
When the signal is strong, select "Off".

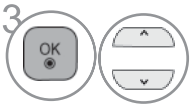

SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : On
• CI Information
SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : On
• CI Information
☐ Off
☑ On



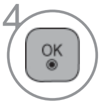
Select **SETUP**.



Select **Booster**.



Select **On** or **Off**.



Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

CI [COMMON INTERFACE] INFORMATION

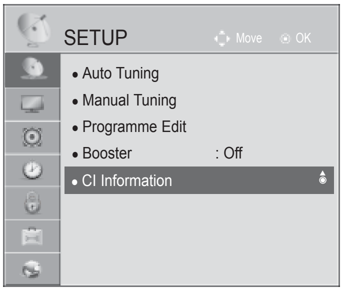
This function enables you to watch some encrypted services (pay services). If you remove the CI Module, you cannot watch pay services.
When the module is inserted into the CI slot, you can access the module menu.
To purchase a module and smart card, contact your dealer. Do not repeatedly insert or remove a CI module from the TV. This may cause a malfunction. When the TV is turned on after inserting a CI Module, you may not have any sound output.

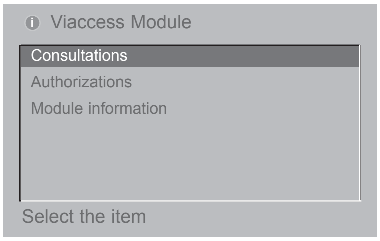
This may be incompatible with the CI module and smart card.

CI (Common Interface) functions may not be possible depending upon the country broadcasting circumstances.

When using a CAM(Conditional Access Module), please make sure it meets fully the requirements of either DVB-CI or CI plus.

A abnormal process of CAM(Conditional Access Module) may cause a bad picture.


SETUP
Move
OK
• Auto Tuning
• Manual Tuning
• Programme Edit
• Booster : Off
• CI Information


Viaccess Module
Consultations
Authorizations
Module information
Select the item

- This OSD is only for illustration and the menu options and screen format will vary according to the Digital pay services provider.
- It is possible for you to change CI (Common Interface) menu screen and service by consulting your dealer.

---

1 MENU Select **SETUP**.

2 OK Select **CI Information**.

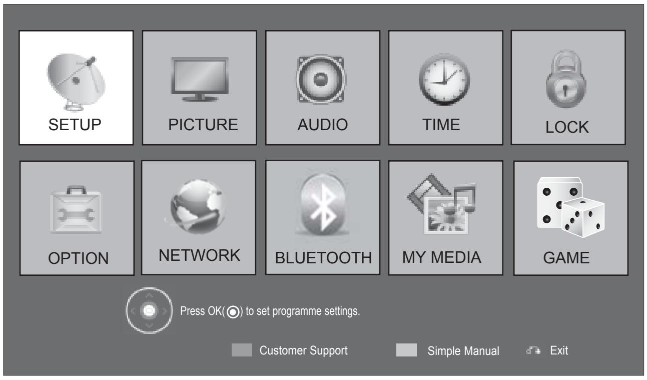
3 OK Select the desired item: Module information, smart card information, language, or software download etc.

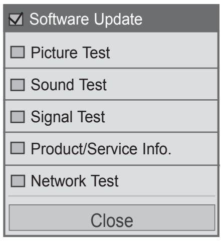
4 OK Save.

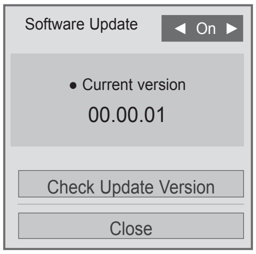
- Press the **BACK/EXIT** button to move to the previous menu screen.

SOFTWARE UPDATE

You can update the TV with the latest software to enhance the product operation and/or add new features.
You can update the software by connecting the TV directly to the software update server.
The Software Update function may not work properly depending on your internet environment. In this case, you can obtain the latest software from the authorized LG Electronics Service Center then update your TV.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Press OK(◉) to set programme settings.
Customer Support
Simple Manual
Exit


☑ Software Update
☐ Picture Test
☐ Sound Test
☐ Signal Test
☐ Product/Service Info.
☐ Network Test
Close


Software Update ◄ On ►

● Current version
00.00.01

Check Update Version
Close

1 MENU RED Select **Customer Support**.

- Use the **Check Update Version** to update the latest software on the Network server manually.

2 Select **Software Update**.

3 OK Select **On** or **Off**.
- If you select **On**, a user confirm message box will be displayed to notify that new software is found.

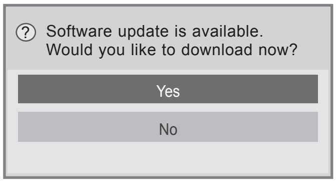
4 OK Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

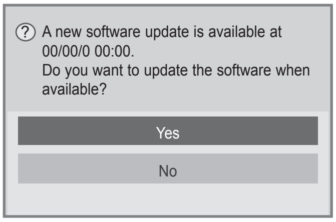
■ When setting “Software Update”

Occasionally, a transmission of updated digital software information will result in the following menu on the TV screen.



Software update is available.
Would you like to download now?

Simple Update : for current update stream

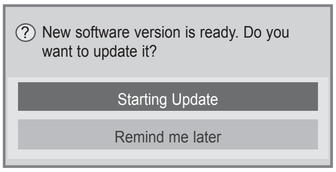


A new software update is available at 00/00/0 00:00.
Do you want to update the software when available?

Schedule Update : for scheduled update stream

When the Software Update menu is "Off", the message to change it to "On" appears.

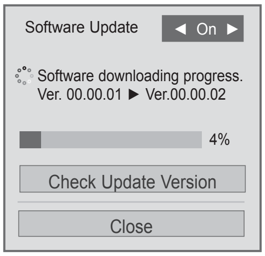
When new Software is available when connected to Internet, the following message will be displayed.



New software version is ready. Do you want to update it?

Download starts when "Yes" is selected.

Download progress status can be checked from Software Update menu.

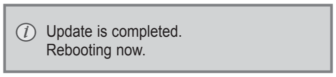


Software Update ◄ On ►

Software downloading progress.
Ver. 00.00.01 ► Ver.00.00.02

4%

TV is restarted when download is completed.



Update is completed.
Rebooting now.

- During Progress of a Software Update, please note the following:
- • Power to the TV must not be interrupted.
- • After Software Update, you can confirm the updated software version in Software Update menu.
- • It may take hours to download the software, so make sure that the power stays on during the download.

<Simple Update, Schedule Update>

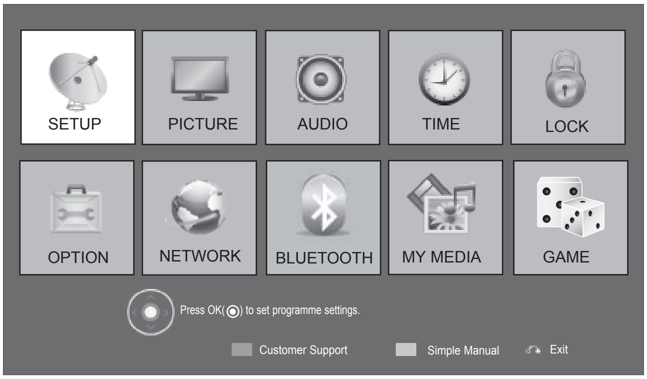
- • The antenna must not be disconnected.
- • The software is downloaded only in Standby mode or in MUX with Software Update Service, and stops when the power cord is unplugged or when viewing MUX without Software Update Service.
- • When you return to Standby mode or MUX with Software Update Service, the software download will resume from where it stopped.

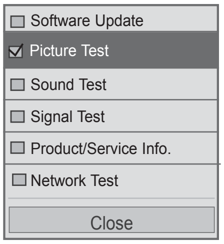
<Network Update>

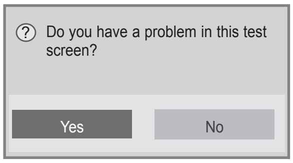
- • You do not disconnect the network while the software is being updated.
- • When there is a new software update when you open NetCast, you will not be able to use NetCast without updating the software.
- • You cannot open NetCast while the software is being updated.

PICTURE/SOUND TEST

This function is a customer support function that can execute picture and sound tests.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Press OK(◉) to set programme settings.
Customer Support
Simple Manual
Exit


☐ Software Update
☑ Picture Test
☐ Sound Test
☐ Signal Test
☐ Product/Service Info.
☐ Network Test
Close


Do you have a problem in this test screen?

---

1. MENU **RED** Select **Customer Support**.
2. ⌃ ⌄ Select **Picture Test** or **Sound Test**.
3. OK ‹ › Select **Yes** or **No**.

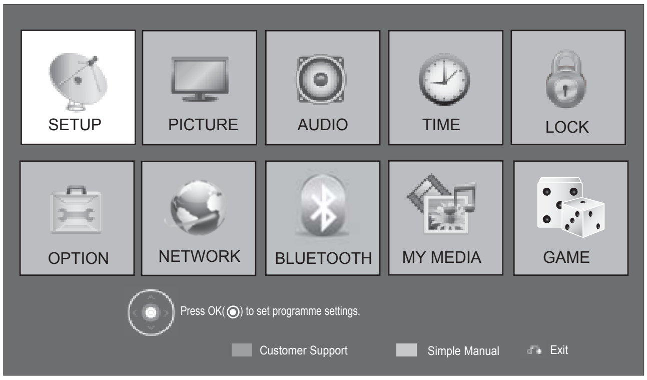
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

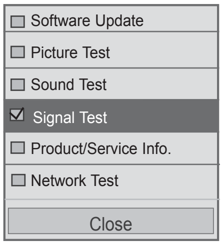
WATCHING TV / PROGRAMME CONTROL

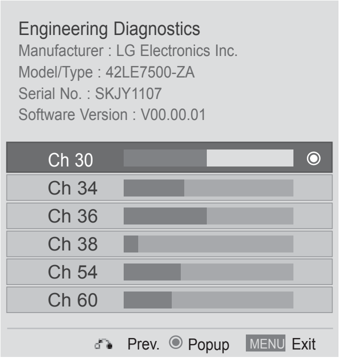
SIGNAL TEST

This function enables you to view information on the Manufacturer, Model/Type, Serial Number and Software Version.

This displays the information and signal strength of the tuned *MUX.
This displays the signal information and service name of the selected MUX.
(*MUX: A higher directory of channels in digital broadcasting (a single MUX contains multiple channels.))


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Press OK(◉) to set programme settings.
Customer Support
Simple Manual
Exit


☐ Software Update
☐ Picture Test
☐ Sound Test
☑ Signal Test
☐ Product/Service Info.
☐ Network Test
Close


Engineering Diagnostics
Manufacturer : LG Electronics Inc.
Model/Type : 42LE7500-ZA
Serial No. : SKJY1107
Software Version : V00.00.01

Ch 30
Ch 34
Ch 36
Ch 38
Ch 54
Ch 60
Prev.
Popup
MENU Exit

---

1 MENU RED Select **Customer Support**.

2 Select **Signal Test**.

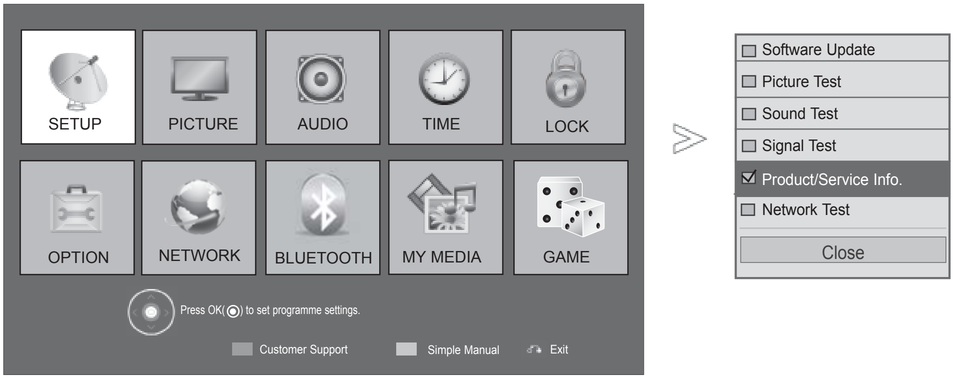
3 OK Display Manufacturer, Model/Type, Serial Number and Software Version.

4 OK Display the information of Channel.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PRODUCT/SERVICE INFORMATION

This function is a customer support function that can see product/service information and customer service center information.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Customer Support
Simple Manual
Exit
☐ Software Update
☐ Picture Test
☐ Sound Test
☐ Signal Test
☑ Product/Service Info.
☐ Network Test
Close

Press OK(◉) to set programme settings.

---

1 MENU **RED** Select **Customer Support**.

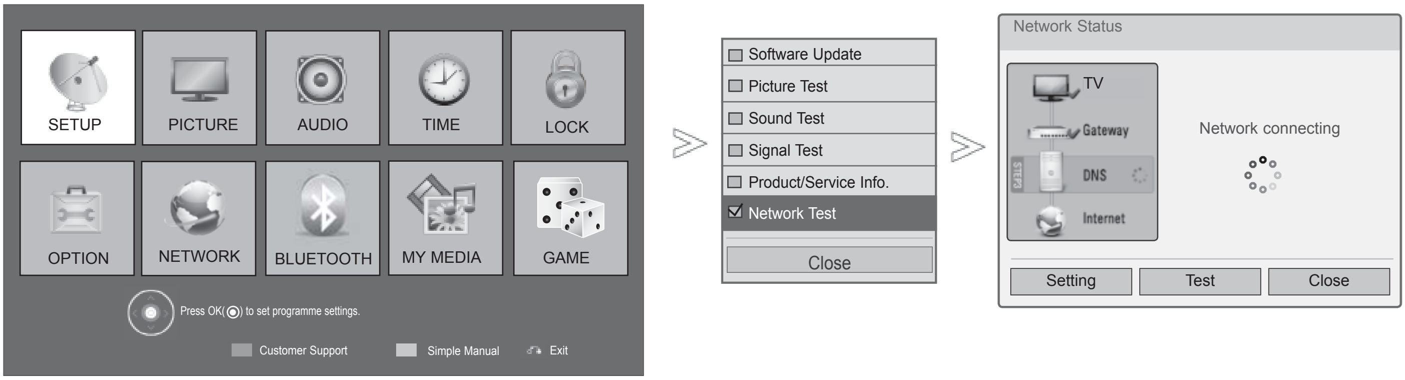
2 Select **Product/Service Info.**.

3 OK Display Model/Type, Software version, Serial Number, Customer service center and Homepage.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NETWORK TEST

Check the network status.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Customer Support
Simple Manual
Exit
☐ Software Update
☐ Picture Test
☐ Sound Test
☐ Signal Test
☐ Product/Service Info.
☑ Network Test
Close
Network Status
TV
Gateway
DNS
Internet
STEP3
Network connecting
Setting
Test
Close

Press OK(◉) to set programme settings.

---

1 MENU **RED** Select **Customer Support**.

2 OK Select **Network Test**.

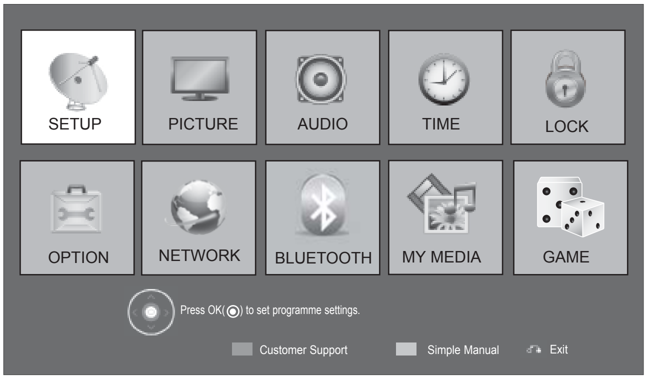
3 OK Check the network status.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

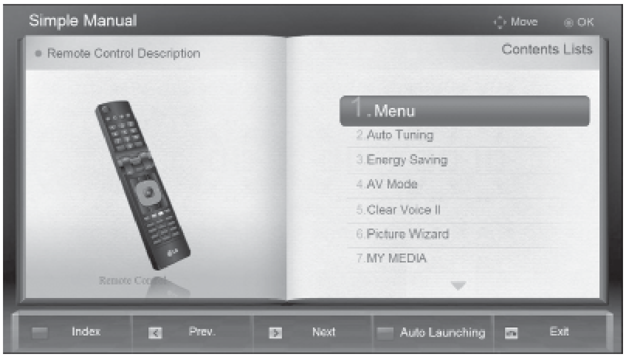
WATCHING TV / PROGRAMME CONTROL

SIMPLE MANUAL

You can easily and effectively access the TV information by viewing a simple manual on the TV.
During the Simple Manual operation, audio will be muted.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Press OK(◉) to set programme settings.
Customer Support
Simple Manual
Exit

■ Image shown may differ from your TV.


Simple Manual
Move
OK
Remote Control Description
Contents Lists
1. Menu
2. Auto Tuning
3. Energy Saving
4. AV Mode
5. Clear Voice II
6. Picture Wizard
7. MY MEDIA
Remote Control
Index
Prev.
Next
Auto Launching
Exit

---

1 MENU GREEN Select **Simple Manual**.

2 ‹ › Select the part of the manual you want to see.

- **RED** : Go to the **Index** page.
- **BLUE** : Play the **Simple Manual** automatically or manually.

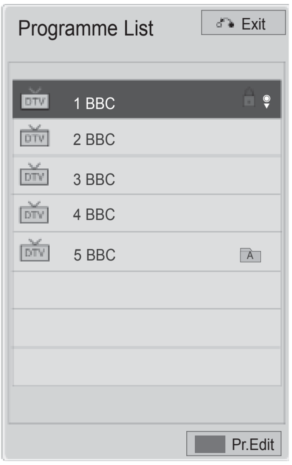
- Press the **EXIT** button to return to normal TV viewing.

SELECTING THE PROGRAMME LIST

You can check which programmes are stored in the memory by displaying the programme list.

Mini Glossary

🔒 Displayed when the Locked Programme.



■ Displaying programme LIST

1 LIST Display the **Programme List.**

- You may find some blue programmes. These have been set up to be skipped by auto programming or in the programme edit mode.
- Some programmes with the channel number shown in the programme LIST indicate there is no station name assigned.

BLUE Turn the programme edit.

■ Selecting a programme in the programme list

1 ⌃ ⌄ Select a programme.

2 OK Switch to the chosen programme number.

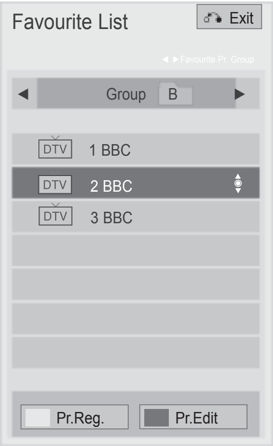
TV/RAD The mode will be switched between TV, DTV, and Radio from the programme you are currently watching.

Paging through a programme list

1 P Turn the pages.

2 LIST Return to normal TV viewing.

Displaying the favourite programme list


Favourite List
Exit
◄ ►Favourite Pr. Group
Group B
DTV 1 BBC
DTV 2 BBC
DTV 3 BBC
Pr.Reg.
Pr.Edit

1 MARK FAV CHAR/NUM Display the Favourite Programme List.

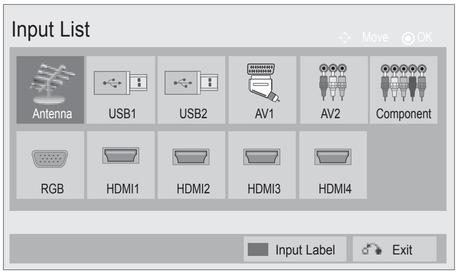
BLUE	Turn the programme edit.
YELLOW	Current channel is registered/ cancelled as preferred channel on currently selected Group.
‹ ›	Favourite group is changed.

INPUT LIST

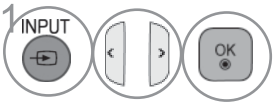
HDMI and AV1 (SCART) can be recognized by a detect pin and thus enabled only when an external device approves voltage.

By using **TV/RAD** button, you can move from External Input to RF Input and to the last watched programme in DTV/RADIO/TV mode.

- Image shown may differ from your TV.


Input List
Move
OK
Antenna
USB1
USB2
AV1
AV2
Component
RGB
HDMI1
HDMI2
HDMI3
HDMI4
Input Label
Exit

1



Select the input source.

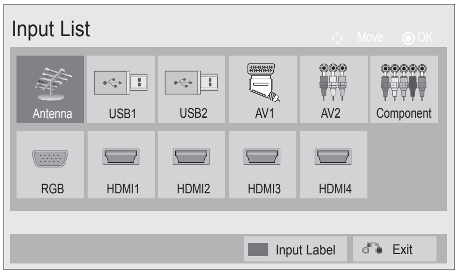
- **Antenna** or **Cable** : Select it when watching the DTV/RADIO/TV.
- **USB :** Select it when using USB depends on connector.
- **AV** : Select it when watching the VCR or external equipment.
- **Component** : Select it when using the DVD or the Digital set-top box depends on connector.
- **RGB** :Select it when using PC depends on connector.
- **HDMI** : Select it when using DVD, PC or Digital set-top box depend on connector.

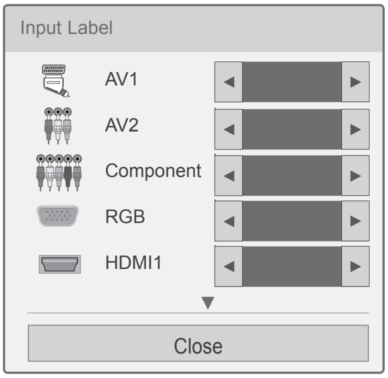
WATCHING TV / PROGRAMME CONTROL

INPUT LABEL

Selects a label for each input source.

- Image shown may differ from your TV.


Input List
Move
OK
Antenna
USB1
USB2
AV1
AV2
Component
RGB
HDMI1
HDMI2
HDMI3
HDMI4
Input Label
Exit


Input Label
AV1
AV2
Component
RGB
HDMI1
Close

1 INPUT BLUE Select **Input Label**.

2 Select the source.

3 Select the label.

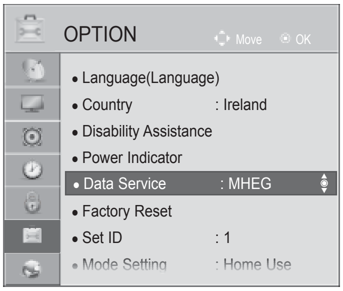
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

DATA SERVICE

(This menu is enabled only in Ireland.)

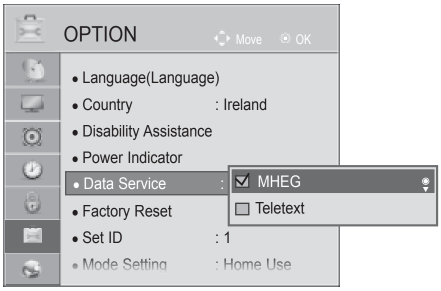
This function allow users to choose between **MHEG(Digital Teletext)** and **Teletext** if both exist at the same time.

If only one of them exists, either **MHEG** or **Teletext** is enabled regardless of which option you selected.



OPTION

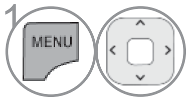
- Language(Language)
- Country : Ireland
- Disability Assistance
- Power Indicator
- Data Service : MHEG
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use



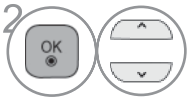
OPTION

- Language(Language)
- Country : Ireland
- Disability Assistance
- Power Indicator
- Data Service :
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use

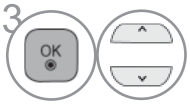
☑ MHEG
☐ Teletext



Select **OPTION**.



Select **Data Service**.



Select **MHEG** or **Teletext**.

Save.

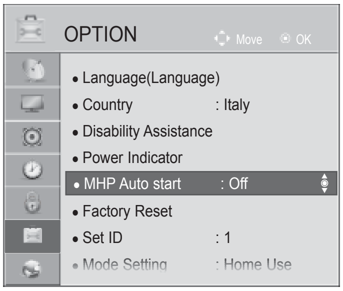
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

MHP SERVICE

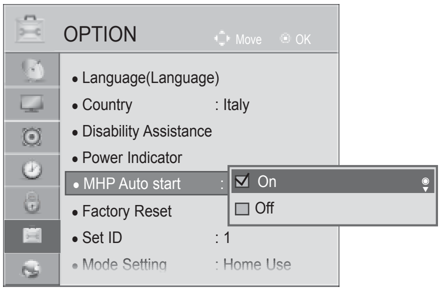
(Only 32/37/42LE48**, 32/37/42/47/55LE58**, 32/37/42/47/55LE78**, 42/47LE7380, 42/47/55LE88**, 32/37/42LD48**, 32/37/42/47/55LD68**, 32/42/47LD78**, 32/37/42LD88**, 42/47LX68**, 47/55LX98**, 50/60PK78**, 50/60PK98**, 50/60PX98**)

(This menu is enabled only in Italy and MHP services of the other contries may not work properly.)

This function is Auto Start function of MHP, Italian data broadcast.
Use in channel with MHP signal.
Data broadcast function may not be smooth due to situation from the broadcasting station.

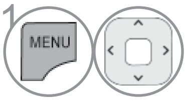


- Language(Language)
- Country : Italy
- Disability Assistance
- Power Indicator
- MHP Auto start : Off
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use

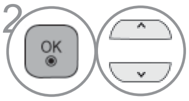


- Language(Language)
- Country : Italy
- Disability Assistance
- Power Indicator
- MHP Auto start :
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use

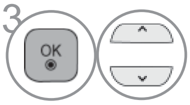
☑ On
☐ Off

1


Select **OPTION**.

2


Select **MHP Auto start**.

3


Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

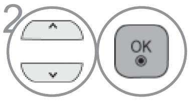
■ When MHP Auto Start is set to On

1 **RED** Display the **MHP.**

■ When MHP Auto Start is set to Off

1

Display the **MHP Application List.**

2 

Select your desired MHP broadcast.

- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

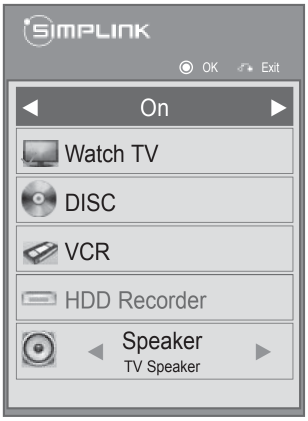
SIMPLINK

This function operates only with devices with the SIMPLINK logo.
Please check the SIMPLINK logo.

This TV might not function properly when using it with other products with HDMI-CEC function.
This allows you to control and play other AV devices connected to the display through HDMI cable without additional cables and settings.

If you do not want SIMPLINK menu,select “**Off**”.

In wireless external output, SIMPLINK function is not supported.



◀ On ▶

Speaker ◀ TV Speaker ▶

---

1 Display the **SIMPLINK**.

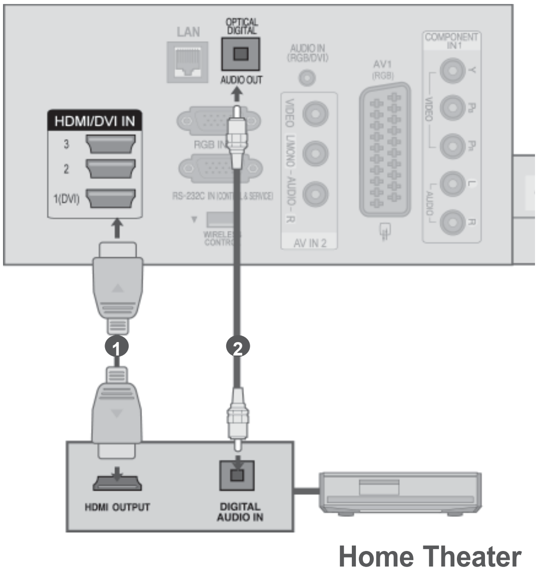
2 Select **On** or **Off.**

3 Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

Connecting to Home Theater with the SIMPLINK logo.

1. Connect the **HDMI/DVI IN 1(DVI)**, **HDMI/DVI IN 2**, **HDMI/DVI IN 3** or **HDMI IN 4** (Except for 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***) terminal on the back of the TV and the HDMI output terminal of the Home Theater using HDMI cables.
2. Connect the Digital Audio output terminal on the back of the TV and the Digital Audio input terminal of the Home Theater using optical cables.
3. Select Home Theater in the Speaker menu by pushing the **SIMPLINK** button.


LAN
OPTICAL DIGITAL
AUDIO OUT
AUDIO IN (RGB/DVI)
AV1 (RGB)
COMPONENT IN 1
HDMI/DVI IN
3
2
1(DVI)
RGB IN
RS-232C IN (CONTROL & SERVICE)
WIRELESS CONTROL
VIDEO
L/MONO – AUDIO – R
AV IN 2
Y
PB
PR
L
R
VIDEO
AUDIO
1
2
HDMI OUTPUT
DIGITAL AUDIO IN
Home Theater

- ▶ When you select or operate a media device with home theater function, the speaker automatically switches to home theater speaker (HT speaker).

NOTE

- ▶ Connect the HDMI/DVI IN or HDMI IN terminal of the TV to the terminal (HDMI terminal) of the SIMPLINK device with the HDMI cable.
- ▶ When you switch the Input source using the INPUT button on the remote control, you can stop the operation of a device controlled by SIMPLINK.

WATCHING TV / PROGRAMME CONTROL

SIMPLINK Functions

Disc playback

Control connected AV devices by pressing the ∧ ∨ < >, OK, ▶, ■, II, ◀◀ and ▶▶ buttons.

Direct Play

After connecting AV devices to the TV, you can directly control the devices and play media without additional settings.

Select AV device

Enables you to select one of the AV devices connected to the TV and operate it.

Power off all devices

When you switch off the TV, all connected devices are turned off.

Switch audio-out

Offers an easy way to switch audio-out.

Sync Power on

When the equipment with Simplink function connected HDMI terminal starts to play, The TV will change automatically to turn on mode.

* A device, which is connected to the TV through an HDMI cable but does not support SIMPLINK, does not provide this function.

Note: To operate SIMPLINK, an High Speed HDMI Cable with *CEC function should be used. (*CEC: Consumer Electronics Control).

SIMPLINK Menu

Press the ∧ ∨ < >button and then OK button to select the desired SIMPLINK source.

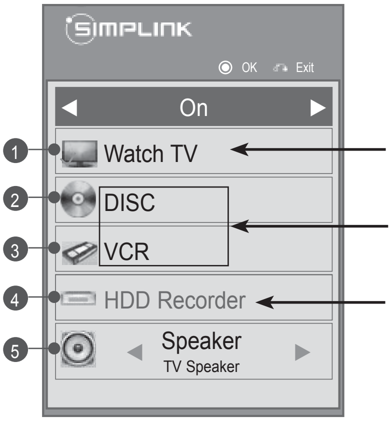
① **TV viewing :** Switch to the previous TV programme regardless of the current mode.

② **DISC playback :** Select and play connected discs.
When multiple discs are available, the device type of discs are conveniently displayed at the bottom of the screen.

③ **VCR playback :** Play and control the connected VCR.

④ **HDD Recordings playback :** Play and control recordings stored in HDD.

⑤ **Audio Out to Home theater/Audio Out to TV:** Select Home theater or TV speaker for Audio Out.



Selected Device

When a device is connected (displayed in bright colour)

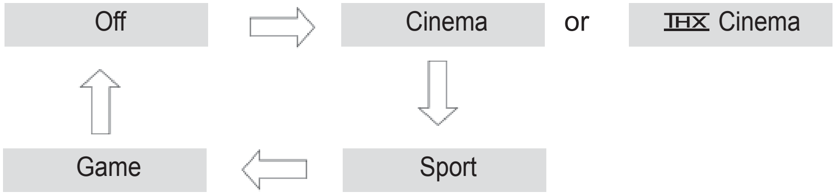
When device is not connected (displayed in gray)

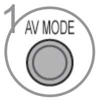
- Home theater: Only one supported at a time
- DVD, Recorder: Up to three(Only 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***), four(Only 32/37/42LE4***, 32/37/42/47/55LE5***, 32/37/42/47/55LE7***, 42/47/55LE8***, 42/47LX6***, 47/55LX9***, 50/60PK5**, 50/60PK7***, 50/60PK9***, 50/60PX9***) supported at a time.
- VCR: Only one supported at a time

AV MODE

You can select the optimal images and sounds when connecting AV devices to external input.

Off	Disables the AV MODE.
Cinema or THX Cinema	Optimizes video and audio for watching movies.
Sport	Optimizes video and audio for watching sports events.
Game	Optimizes video and audio for playing games.





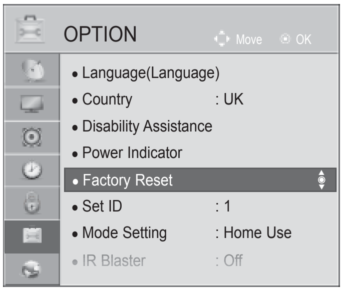
Press the **AV MODE** button repeatedly to select the desired source.

- If you select **Cinema or THX Cinema** in AV mode, **Cinema or THX Cinema** will be selected both for **Picture Mode** and **Sound Mode** in **PICTURE** menu and **AUDIO** menu respectively.
- If you select “**Off**” in AV mode, the picture and image which you initially set will be selected.
- When playing a video game using PlayStation or Xbox, it is recommended to use the **Game** mode.
- When in **Game** mode, functions related to picture quality will be optimized for playing games.

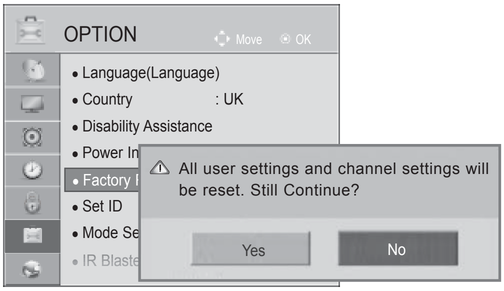
INITIALIZING(RESET TO ORIGINAL FACTORY SETTINGS)

This function initializes all settings.
But the settings of **Day** and **Night** of the **Picture Mode** cannot be initialized.
It is useful to initialize the product or when you move to other city or country.
When the Factory Reset is completed, you must restart the Initializing setup.

When the **Lock System** menu is "**On**", the message to enter the password appears.



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off



All user settings and channel settings will be reset. Still Continue?

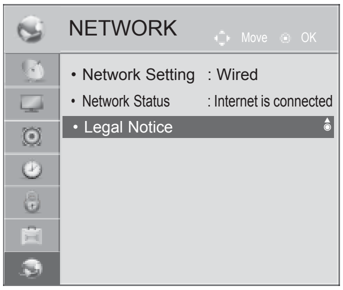
1. Select **OPTION**.
2. Select **Factory Reset**.
3. Select **Yes**.
4. Start Factory Reset.

- In **Lock System** "**On**", if you forget your password, press '0', '3', '2', '5' on the remote control handset.

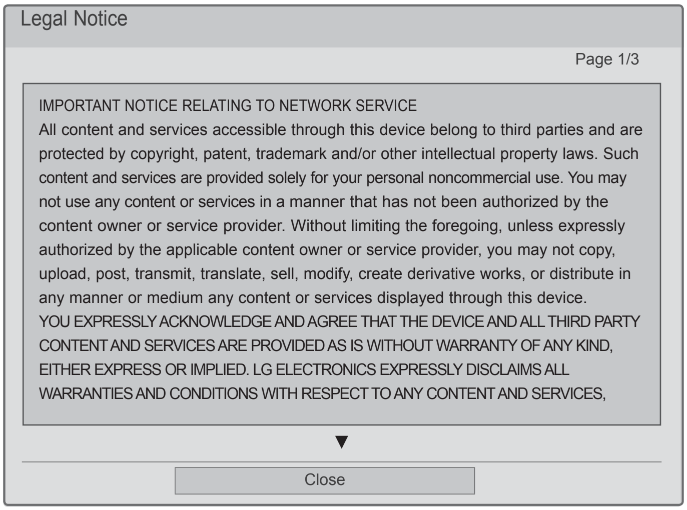
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NETCAST

LEGAL NOTICE



- Network Setting : Wired
- Network Status : Internet is connected
- Legal Notice



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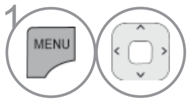
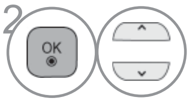
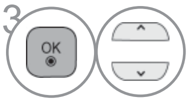


Select **NETWORK**.



Select **Legal Notice**.



Check Legal notice.

- Press the **MENU/EXIT** button to return to normal TV viewing.

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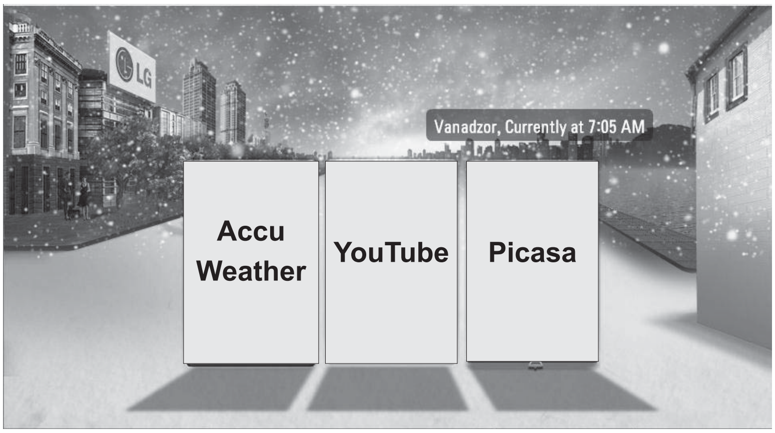
NETCAST MENU

These services are provided by separate Content Provider.

Please visit the content providers web site for specific information on their services. (But, some content manual maybe not provide depending on Content Provider).

NetCast menu source can differ by country.



1. Select **NETCAST** menu option.
2. Enjoy the **AccuWeather**, **Picasa** or **YouTube**.

NOTE

- ▶ The videos list searched from the TV may different with the list searched from a web browser on PC.
- ▶ The settings of this TV do not affect the YouTube’s playback quality.
- ▶ The playback videos may be paused, stopped or buffering occurring often depending on your broadband speed.

  We recommend a minimum connection speed of 1.5 Mbps. For the best playback condition, a connection speed of 4.0 Mbps is required. Sometimes your broadband speed varies based on your ISP’s network conditions. Contact your ISP if you have problems maintaining a fast connection that is reliable, or if you want to increase your connection speed. Many ISPs offer a variety of broadband speed options.
- ▶ To view the owner’s manual that provided by the Content Provider, visit our website at http://www.lg.com.
- ▶ To see the activation method of Orange or maxdome, click the Orange, maxdome in the CD manual (Only Frence or German).
- ▶ For service that requires log in, join the applicable service on the website using the PC and log in through the TV to enjoy various additional functionalities.
- ▶ When you set the city you want with Setup by pressing the red button, the background of NetCast will be set to the weather of the selected city.
- ▶ If there is no user action 2 minutes following freezing image or video on screen, the screensaver will activate itself preventing fixed image remaining on screen. (Plasma TV only)

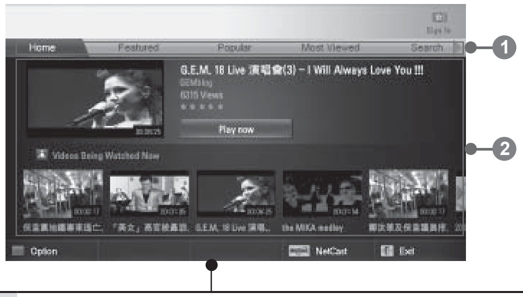
- Press the **RED** button to select Weather of area.
- Press the **EXIT** button to return to normal TV viewing.

YOUTUBE

YouTube is a video sharing website where users can upload, view, and share video clips.

YouTube Screen Components

❶ YouTube menu
❷ Videos list



Sign In
Home
Featured
Popular
Most Viewed
Search
G.E.M. 18 Live 演唱會(3) – I Will Always Love You !!!
Play now
Videos Being Watched Now
Option
NetCast
Exit
1
2

RED	Set the option menu.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

NOTE

▶ When you press the Q.menu button while the Youtube video is playing in full mode, you can set the video options.

YouTube Service menu

- **Home**: You can watch the popular video in real time.
- **Featured**: The featured videos list will be displayed.
- **Popular**: The best rated videos list from YouTube server will be displayed.
- **Most Viewed**: The most viewed videos list will be displayed.
- **Search**: The keypad/keyboard menu will be displayed.
- **History**: The videos list that you previously played will be displayed. Maximum of 20 videos can be stored.
- **Favorites**: In sign-in status, this menu will be displayed the videos list that is arranged in the YouTube server with your account (Some videos may not appear on the **Favorites** list, even if the videos are arranged in the server).
- **Sign in (Sign Out)**: Displays the keypad/keyboard menu to sign in or returns to the sign-out status.

Using the remote control

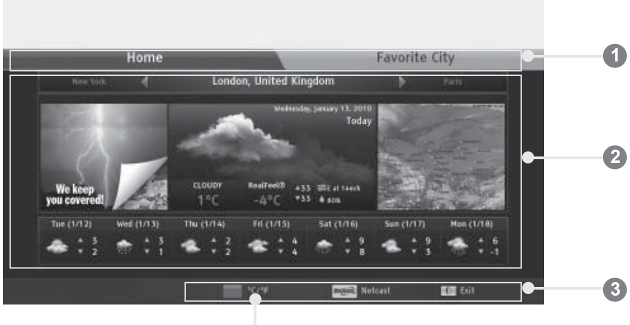
■	Stops the video and displays related videos list.
II	Pause the video while it is playing.
▶	Play the selected video.
‹ ›	Skip the playback forward or backward.
RED	Set the option menu.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

ACCUWEATHER

Accuweather is the programme to view the weather of the city the user wants.

AccuWeather Screen Components

① AccuWeather menu
② Weather list by city
③ Corresponding buttons on the remote control


Home
Favorite City
New York
London, United Kingdom
Paris
Wednesday, January 13, 2010
Today
We keep you covered!
CLOUDY
1°C
RealFeel®
-4°C
Tue (1/12)
Wed (1/13)
Thu (1/14)
Fri (1/15)
Sat (1/16)
Sun (1/17)
Mon (1/18)
°C/°F
Netcast
Exit
1
2
3

RED	Change between Celsius and Fahrenheit.
◀ ▶ ▲ ▼	Move the focus to the menu you want.
OK	Select the focused menu.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

AccuWeather Service menu

- **Home**: The weather of selected city is displayed.
- **Favorite City:** Frequently checked cities can be registered to check the weather.

NOTE

► By default, New York, London and Paris are registered and the user can add/delete cities from **Favorite City**.

► LG is not responsible for the accuracy of the weather forecast.

► Applicable weather information can differ from the actual weather depending on the information provided by Accuweather.

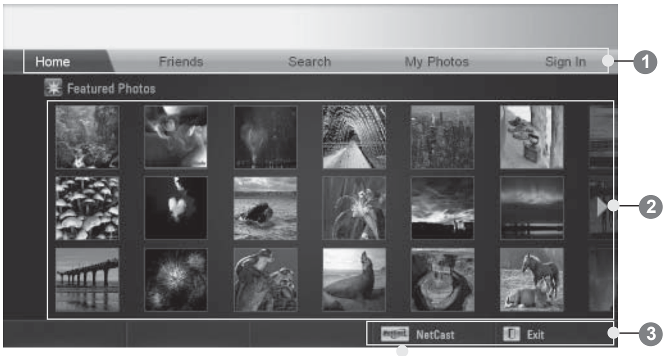
NETCAST

PICASA

Picasa is an application from Google that appreciates digital image files.

Picasa Screen Components

1. Picasa menu
2. Photos list
3. Corresponding buttons on the remote control


Home
Friends
Search
My Photos
Sign In
Featured Photos
NetCast
Exit
1
2
3

˄ ˅ ‹ ›	Select the desired photo.
OK	The selected photo file is displayed.
NetCast	Return to Netcast menu.
EXIT	Return to TV viewing.

Picasa Service menu

- **Home**: The featured photos list will be displayed.
- **Friends**: You can register users with the pictures you want as friends. You can add up to 10 friends.
- **Search**: The keypad/keyboard menu will be displayed.
- **My Photos**: You can view the pictures uploaded to the Web. This function can only be used when you sign in.
- **Sign in (Sign Out)**: Displays the keypad/keyboard menu to sign in or returns to the sign-out status.

TO USE THE BLUETOOTH (Except for 32/37/42LE4***, 32/37/42/47/55LE5***, 42/47LE73**, 32/37/42LD4***, 32/37/42/47/55LD6***, 32/42/47LD7***, 32/37/42LD8***, 42/47LX6***, 47/55LX9***, 50/60PK5**, 50/60PX9***)

BLUETOOTH?

Bluetooth is a short distance networking technology using 2.4 GHz frequency to connect various types of information devices such as computers, cell phones and PDAs, as well as digital appliances through wireless connection, without having to connect any cable, to enable data exchange.

With the Bluetooth communication function, you can connect the Bluetooth enabled wireless headset or receive images(only JPEG), listen to music from the Bluetooth enabled cell phone using this TV.

- Communication Spec.: Bluetooth Specification Version 2.0 + EDR (Enhanced Data Rate)
- Output: Bluetooth Specification Power Class 2
- Maximum Communication Range: Line of open sight approx. 10 m (30 ft)
- Frequency Band: 2.4 GHz band (2.4 GHz to 2.4835 GHz)
- Bluetooth Module: RBFS-B921A(Plasma TV), RBFS-B721A(LCD/LED LCD TV) (LG Electronics)
- Compatible Bluetooth Profile : GAVDP(Generic Audio/Video Distribution Profile)
  A2DP(Advanced Audio Distribution Profile)
  HSP(Headset Profile)
  OPP(Object Push Profile)
  BIP(Basic Imaging Profile)
  FTP(File Transfer Profile)

CE 0700

Precautions when using the Bluetooth

- ▶ Use within 7 m (-45° to 45°) range.
- ▶ If you use the device out of the range or within the range with obstacles, it can result in communication error.
- ▶ Communication error can occur depending on the surrounding devices.
- ▶ Products using the same frequency of 2.4 GHz (Wireless LAN, microwave oven etc.), can cause communication error by using the same frequency bandwidth.
- ▶ The device search time differs depending on the number of Bluetooth devices and the operating situation.
- ▶ The probability of search increases with less number of devices.
- ▶ Electromagnetic wave can be interfered with applicable wireless devices.
- ▶ Because applicable wireless devices have the possibility of electromagnetic wave interference, they cannot provide services related to human life.
- ▶ You can only connect one Bluetooth device at a time.
- ▶ You cannot receive photos(only JPEG) or listen to music from other Bluetooth devices while using the Bluetooth headset.
- ▶ For details of Bluetooth, refer to the user manual of the Bluetooth device.
- ▶ Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.
- ▶ Bluetooth can be used about 30 seconds after the power is turned on.
- ▶ Depending on the transmission processing method and performance of the headset used, the audio can be instantly disconnected.

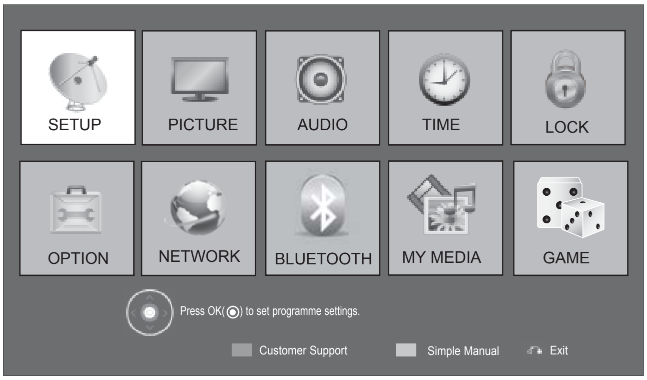
QDID(Qualified Design Identity) : B015199

SETTING THE BLUETOOTH

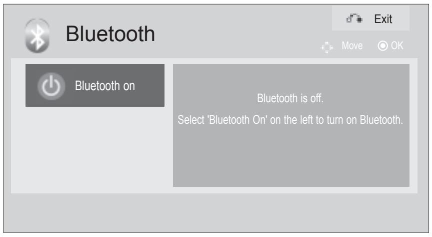
If you want to listen to the broadcasted sound using the Bluetooth headset or receive the jpeg images from an external device and view them on the TV, listen to music from cell phone(Bluetooth device), you can use the wireless communication without having to connect any cables.

You can use the BLUETOOTH menu by selecting “**Bluetooth on**”.
If you do not want to use the Bluetooth function, select “**Bluetooth off**”.

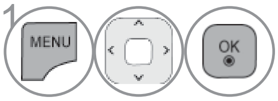
If it is connected to the external Bluetooth device, you can select “**Bluetooth off**” after disconnecting the device.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Customer Support
Simple Manual
Exit

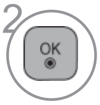
Press OK(◉) to set programme settings.


Bluetooth
Exit
Move
OK
Bluetooth on

Bluetooth is off.
Select 'Bluetooth On' on the left to turn on Bluetooth.



Select **BLUETOOTH**.



Select **Bluetooth on**.

- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TO USE A BLUETOOTH

BLUETOOTH HEADSET

When you select the Bluetooth headset, you can listen to the TV sound in the Bluetooth headset through wireless communication.

You must pair it with any new Bluetooth device before the first use. For details, refer to the user manual of the applicable device.

A maximum of 12 devices can be paired.

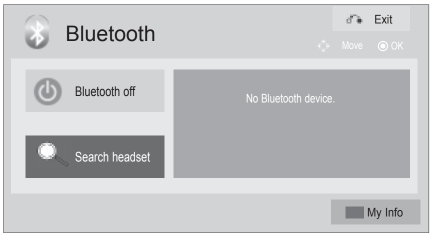
When the unit is searching for the Bluetooth headset, other buttons except for the "Stop" (OK button) do not work.

Connecting a new Bluetooth headset

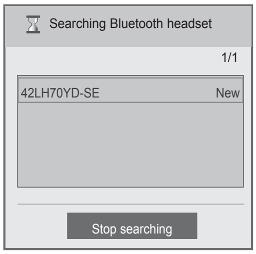
You can only search for the new Bluetooth headset only in the **Disconnected** condition.

When you run the search, it will show you the list of all Bluetooth headsets responding.

After new Bluetooth device is searched, the PIN number is validated to connect the device. For details, refer to the user manual of the applicable device.



No Bluetooth device.



42LH70YD-SE New

1 Select **BLUETOOTH**.

2 Select **Search headset**.

3 Select the desired Bluetooth headset.

4 Select the desired Bluetooth headset PIN number. Refer to the user manual of the applicable device for the PIN number.

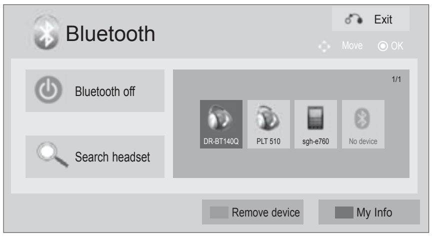
5 Connect the Bluetooth headset.

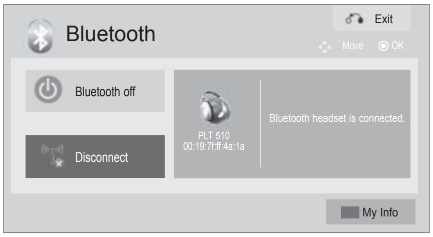
- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

Connecting to Bluetooth headset already registered

Bluetooth headsets are listed in the order most recently used with the headset currently in use listed at the top.

When connecting to the Bluetooth device already registered, you can select and connect directly without any PIN validation.


Bluetooth
Exit
Move
OK
Bluetooth off
Search headset
1/1
DR-BT140Q
PLT 510
sgh-e760
No device
Remove device
My Info


Bluetooth
Exit
Move
OK
Bluetooth off
Disconnect
PLT 510
00:19:7f:ff:4a:1a
My Info

Bluetooth headset is connected.

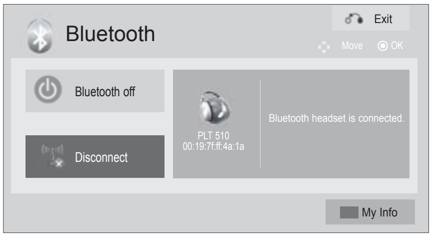
1. Select **BLUETOOTH**.
2. Select the desired Bluetooth headset.
3. Connect the Bluetooth headset.

- After connecting/using the Bluetooth headset, the headset setting will be the **Disconnected** condition automatically when you turn off the power of the TV and then turn on.
- After connecting the Bluetooth headset, the TV speaker is switched to Mute condition and the sound will only be generated from the headset.

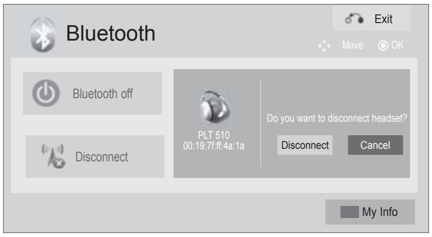
- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TO USE A BLUETOOTH

Disconnecting the Bluetooth headset during use


Bluetooth
Exit
Move
OK
Bluetooth off
Disconnect
PLT 510
00:19:7f:ff:4a:1a
My Info

Bluetooth headset is connected.


Bluetooth
Exit
Move
OK
Bluetooth off
Disconnect
PLT 510
00:19:7f:ff:4a:1a
Disconnect
Cancel
My Info

Do you want to disconnect headset?

---

1 Select **BLUETOOTH**.

2 Select **Disconnect**.

3 Select **Disconnect**.

4 Disconnect the Bluetooth headset.

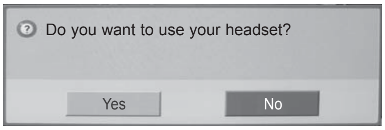
- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

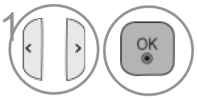
When requesting to connect to TV from the Bluetooth headset

When the Bluetooth menu is "On" and there is a connection request from the headset, this message is displayed.

Not all headsets support the this feature.(Refer to the user manual of the applicable Bluetooth headset.)

Some headset types may make an attempt at connection when they are turned off/on even though they are not included in the Registered Device list.


Do you want to use your headset?



1 Select **Yes** or **No**.

NOTE

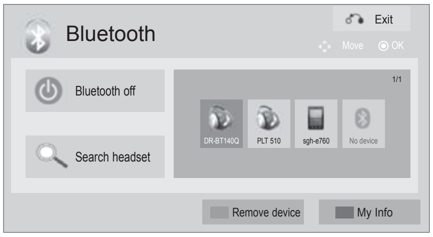
- LG recommends the following headset models.
  -Plantronics VOYAGER-855 / SONY HBH-DS970, HBH-DS980 / Motorola S605
  There might be an audio delay, depending on the buffer memory size of the headset.
- The stereo/mono headset officially certified to be Bluetooth compatible can be searched and connected.
- The stereo/mono headset that supports the A2DP or HSP function among the Bluetooth devices can be connected.
- If the surrounding environment of the TV is as follows, the device may not be searched or connected properly.
  -If there is strong electromagnetic wave.
  -If there are many Bluetooth devices.
  -If the headset is turned off, not in place or has an error.
  -Because products such as microwave oven, wireless LAN, plasma light, gas range etc., use the same frequency range, it can cause communication error.
- Only one Bluetooth headset can be connected at once.
- Connection that is lost due to the TV being turned off etc. will not be automatically recovered. Try connecting the applicable device again.
- Some operations can be slower while operating the headset.
- Even if you choose simplink Home Theater after using the headset during Simplink operation, the unit will not automatically switch to Home Theater speakers.
- When the headset connection continuously fails, pair the device one more time.
- The audio quality of mono headsets will not be as good as that for stereo headsets.
- Mono headsets may suffer from noise as the distance from the TV increases, because they use a different transmission method compared with stereo headsets.
- When a Bluetooth headset is in use, the Volume +/- and Mute keys do not work, and the Audio menu returns to the default value and is disabled.
- With Bluetooth set to On, if any registered devices are turned on, the TV will switch to Bluetooth mode automatically even though you are watching in another input mode. In this case, set Bluetooth to Off.

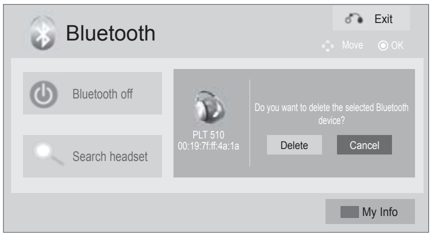
TO USE A BLUETOOTH

REMOVE THE BLUETOOTH DEVICE

When 12 devices are registered, you cannot register any more devices, and the external device will no longer be able to pair up with the TV. In this case, you should delete one (disconnect first if a device is connected to the TV) and then you can register another device.

"Remove device" will be available when selecting the device that is not connected to the TV.


Bluetooth
Exit
Move
OK
Bluetooth off
Search headset
1/1
DR-BT140Q
PLT 510
sgh-e760
No device
Remove device
My Info


Bluetooth
Exit
Move
OK
Bluetooth off
Search headset
PLT 510
00:19:7f:ff:4a:1a
Delete
Cancel
My Info

Do you want to delete the selected Bluetooth device?

---

1 Select **BLUETOOTH**.

2 **RED** Select **Remove device**.

3 Select **Delete**.

4 Remove the Bluetooth device.

- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

MY BLUETOOTH INFORMATION

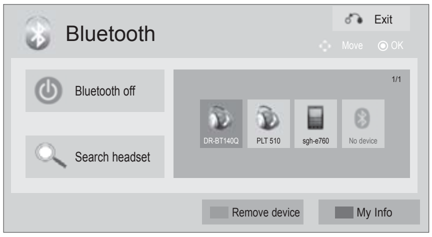
This function provides the My Bluetooth Information to the user.
"Edit" will be available when TV is not connected with any device.

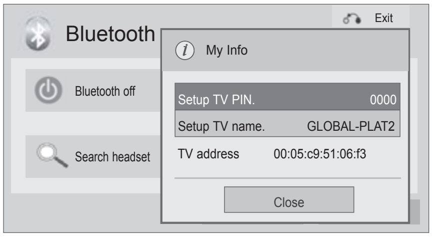
You can edit the Setup TV PIN or Setup TV name.
You can check the TV address.

To accept connection from an external Bluetooth device or to connect to an external Bluetooth device, the PIN needs to be entered.

For details on how to set the PIN of the external Bluetooth device, refer to the user manual of the applicable device.

The TV PIN is composed of numbers of up to 16 digits.
The TV PIN must have more than 1 digit.


Bluetooth
Exit
Move
OK
Bluetooth off
Search headset
1/1
DR-BT140Q
PLT 510
sgh-e760
No device
Remove device
My Info


Bluetooth
Exit
Bluetooth off
Search headset
My Info
Close

Setup TV PIN. 0000
Setup TV name. GLOBAL-PLAT2
TV address 00:05:c9:51:06:f3

---

1 Select **BLUETOOTH**.

2 BLUE Select **My Info**.

3 Select **Setup TV PIN** or **Setup TV name**.

4 You can use an the alphabet **A** to **Z**, the number **0** to **9**, +/ -, and blank.

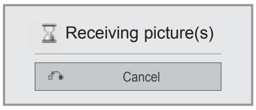
5 Save.

- Press the **DELETE** button to delete digits one by one.

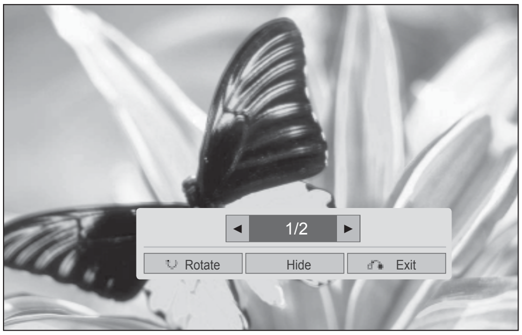
- Press the **EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

RECEIVING PHOTOS FROM EXTERNAL BLUETOOTH DEVICE

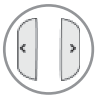
For details on how to send photos(only JPEG) from the external Bluetooth device to TV, refer to the user manual of the applicable device.



Receiving picture(s)



- When you select **Hide** with the ∧ ∨ ‹ › button, the OSD will disappear. And when you press the **OK** button again, it will appear again.



Select the desired photos.

(Rotate) : Rotate photos.

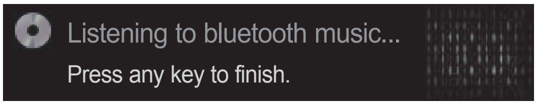
■ Rotates the photo 90° clockwise upon **OK** button on **(Rotate)**.

- The maximum accumulated size of the image(s) that can be received is 10MBytes.
- You cannot receive the image(s) while using the Bluetooth headset.
- You cannot receive the image(s) while listening to music from Bluetooth device.
- When the external Bluetooth device is currently sending the photo, press the **BACK** button to stop receiving the photo. All photos already received will be deleted as a result.
- With some Bluetooth devices, you may not be able to transmit an image (JPEG) file to the TV set.

LISTENING TO THE MUSICS FROM EXTERNAL BLUETOOTH DEVICE

For details on how to listen to the musics from the external Bluetooth device to TV, refer to the user manual of the applicable device.
You should use the Bluetooth device supporting A2DP(as external device).

- With some Bluetooth devices, you may not be able to listen to music via the TV speaker system.
- With some Bluetooth device, the sound can be slow or discontinued from time to time.



Listening to bluetooth music...
Press any key to finish.

- Press the ⊿ **+** or **-** button to adjust the volume.
- If you wish to switch the sound off, press the MUTE button.
- Press the **BACK** button to return to normal TV viewing.

NOTE

▶ You cannot listen to music while using the Bluetooth headset.
▶ You cannot listen to music while receiving image(s).

3D IMAGING

(Only 42/47LX6***, 47/55LX9***, 50/60PX9***)

3D TECHNOLOGY

This TV can display in 3D via 3D broadcasting or when the TV is connected to a compatible device, such as a Blu-ray 3D Player. You need such a device to watch the TV in 3D. The 3D TV displays two separate pictures formatted for each eye. The viewer needs to wear 3D glasses in order to see these images in 3D format.

Viewing 3D Imaging

⚠ WARNING

- ▶ When viewing 3D images, it is important to watch the TV from an effective viewing angle and within the appropriate distance. The appropriate angle is 120°(when the viewing distance is 2m (6.5 ft)) and distance is 2m – 7m (6.5ft – 22.9ft). If you exceed this viewing angle or distance, you may not be able to view the 3D imaging.
  Further 3D images may not be displayed if they are viewed while you are lying down. (LCD TV/ LED LCD TV only)
- ▶ If you watch the 3D images too closely or for a long period of time, it may harm your eyesight. If you feel any sort of eyestrain stop viewing the 3D images remove the 3D glasses and rest.
- ▶ Watching the TV or playing video games that incorporate 3D images with the 3D glasses for a long period of time can cause drowsiness, headaches or fatigue to you and/or your eyes. If you experience any of these symptoms stop viewing the 3D TV remove the 3D glasses and rest.
- ▶ Pregnant woman, seniors, persons with heart problems or persons who experience frequent drowsiness should refrain from watching 3D TV.
- ▶ Do not use the 3D imaging or 3D glasses whilst walking or moving around. Using the 3D imaging and glasses while moving around may result in injuries due to running into objects, tripping and/or falling.
- ▶ Some 3D imaging may cause you to duck or dodge the image displayed in the video. Therefore, it is best if you do not watch 3D TV near fragile objects or near any objects that can be knocked over easily.
- ▶ Please prevent children under the age of 5 from watching 3D TV. It may affect their vision development.

- ▶ **Warning for photosensitization seizure:**
  Some viewers may experience a seizure or epilepsy when exposed to certain factors, including flashing lights or image as in TV or video games.

If you or anybody from your family has a history of epilepsy or seizure, please consult with your doctor before watching 3D TV.

If you experience any dizziness or light headedness, visual transition or altered vision, visual or facial instability, such as eye or muscle twitching, unconscious action, convulsion, loss of conscience, confusion or disorientation, loss of directional sense, cramps, or nausea immediately stop watching the 3D imaging and consult a doctor. Parents should monitor their children, including teenagers, for these symptoms as they may be more sensitive to the effects of watching 3D TV.

Risk of photosensitization seizure can be reduced with the following actions.
- Take frequent breaks from watching 3D TV.
- For those who have vision that is different in each eye, they should watch the TV after taking vision correction measures.
- Watch the TV so that your eyes are on the same level as the 3D screen and refrain from sitting too closely to the TV
- Do not watch the 3D imaging when tired or sick, and avoid watching the 3D imaging for a long period of time.
- Do not wear the 3D glasses for any other purpose than viewing 3D imaging on a 3D TV.
- Some viewers may feel disoriented after watching 3D TV. Therefore, after you watch 3D TV, take a moment to regain awareness of your situation before moving.

❗ NOTE

- ▶ To watch the TV in 3D, you must put on your 3D glasses. For best results, you should wear LG Brand 3D glasses. The 3D imaging may not display properly when using another brand of 3D glasses. Please see the 3D glasses manual for instructions on how to use the 3D glasses.
- ▶ After powering on the TV, a few seconds may be needed for your TV to calibrate.
- ▶ It may take a moment for you to see the 3D imaging if you look away from the TV and then revert your eyes back to the 3D program.
- ▶ The TV may flicker slightly if the 3D imaging is displayed under 3 wavelength lamp fluorescent light (50 Hz - 60 Hz) or magnetic fluorescent lamp (50 Hz - 60 Hz). In such instances, it is recommended to turn the lights off.
- ▶ If there is an obstacle between the TV and the 3D glasses, the 3D imaging may not display properly.
- ▶ Do not use the TV in close proximity to other electronic equipment and IR equipment.
- ▶ In Analog TV, 3D Imaging does not work.
- ▶ When watching 2D images, it is recommended to take off the 3D glasses. If you watch 2D images with the 3D glasses on, you may see distorted images.
- ▶ When watching digital TV in 3D imaging mode, monitor out signals cannot be output through the SCART cable.
  If you set the 3D mode to On while a scheduled recording is performed on digital TV, monitor out signals cannot be output through the SCART cable, and the recording cannot be performed.

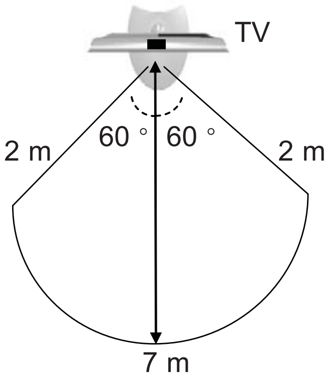
WHEN USING 3D GLASSES

►3D glasses are sold separately. Refer to the 3D glasses manual for operating instructions.
►Do not use the 3D glasses to replace your corrective glasses, sunglasses or protective goggles.
►Do not store the 3D glasses in hot or cold locations.
►Do not drop objects onto the 3D glasses. Do not drop or bend the glasses.
►Since the lenses of the 3D glasses are easily scratched, make sure to clean only with a soft cloth. Shake off any dust before using the cloth since the glasses are easily scratched.

3D IMAGING VIEWING RANGE

TV size, viewing angle & other circumstances may change the viewing distance and the angle of view.

Viewing Distance	2 m - 7 m
Viewing Angle	120 º (When the viewing distance is 2 m)



3D IMAGING

WATCHING 3D IMAGING

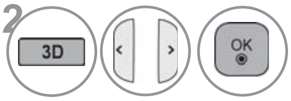
1 Play the video produced in 3D.
Refer to the following for the supported imaging.

	Signal	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Playable 3D video format
HDMI Input	720p	1280x720	45	60	Top & Bottom, Side by Side
			89.9/90	59.94/60	HDMI (V. 1.4 with 3D), Frame Packing
			37.5	50	Top & Bottom, Side by Side
			75		HDMI (V. 1.4 with 3D), Frame Packing
	1080i	1920X1080	33.75	60	Top & Bottom, Side by Side
			28.125	50	
	1080p	1920X1080	67.50	60	Top & Bottom, Side by Side, Checker Board, Single Frame Sequential
			56.250	50	Top & Bottom, Side by Side
			27	24	Top & Bottom, Side by Side, Checker Board
			53.95/54	23.98/24	HDMI (V. 1.4 with 3D), Frame Packing
			33.75	30	Top & Bottom, Side by Side, Checker Board
USB Input	1080p	1920X1080	33.75	30	Top & Bottom, Side by Side, Checker Board, MPO(Photo)
Component Input (Plasma TV Only)	720p	1280x720	44.96 45.00 37.50	59.94 60.00 50.00	Top & Bottom, Side by Side
	1080i	1920x1080	33.72 33.75 28.125	59.94 60.00 50.00	Top & Bottom, Side by Side

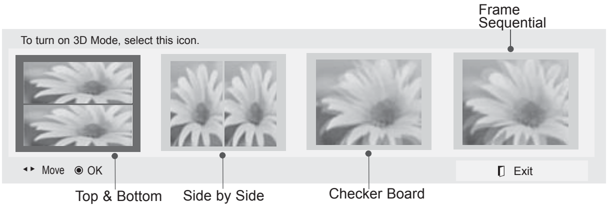
	Signal	Playable 3D video format
DTV	720p, 1080i	Top & Bottom, Side by Side

For 3D video feed that is input in the HDMI (V. 1.4 with 3D) Frame Packing format, it is automatically switched to 3D.
Media contents and a player need to support HDMI (V. 1.4 with 3D) Frame Packing to play in 3D.
Video, which is input as HDMI (V. 1.4 with 3D) Frame Packing format, is switched into the 3D screen automatically.

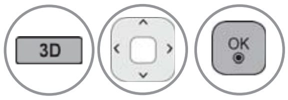
2



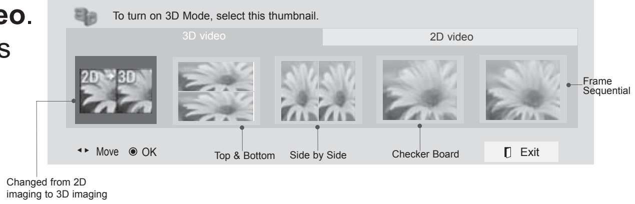
After selecting the shape as shown in the screen on TV, wear the 3D glasses.


Frame Sequential
To turn on 3D Mode, select this icon.
Move
OK
Exit
Top & Bottom
Side by Side
Checker Board

or

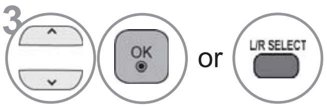


Select **3D video** or **2D video**.
After selecting the shape as shown in the screen on TV, wear the 3D glasses.

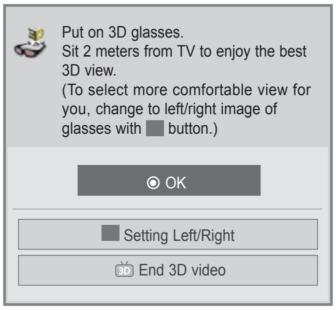

To turn on 3D Mode, select this thumbnail.
3D video
2D video
2D
3D
Frame Sequential
Move
OK
Top & Bottom
Side by Side
Checker Board
Exit
Changed from 2D imaging to 3D imaging

- **3D video** : Select it to view the 3D imaging.
- **2D video** : Select it to view the 2D imaging.

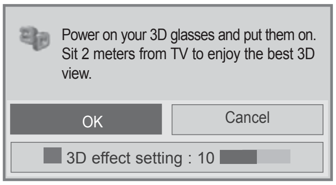
3



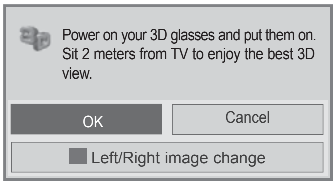
Select **Setting Left/Right** or **Left/Right image change**.


Put on 3D glasses.
Sit 2 meters from TV to enjoy the best 3D view.
(To select more comfortable view for you, change to left/right image of glasses with ▇ button.)
◉ OK
▇ Setting Left/Right
3D End 3D video

or

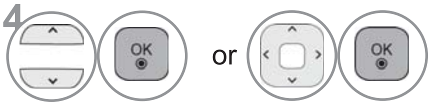

Power on your 3D glasses and put them on.
Sit 2 meters from TV to enjoy the best 3D view.
OK | Cancel
▇ 3D effect setting : 10

or

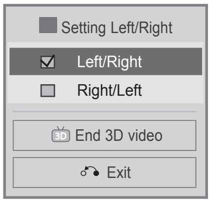

Power on your 3D glasses and put them on.
Sit 2 meters from TV to enjoy the best 3D view.
OK | Cancel
▇ Left/Right image change

- In case of this OSD (On Screen Display), you can adjust the **3D effect setting** with using ‹ › button.

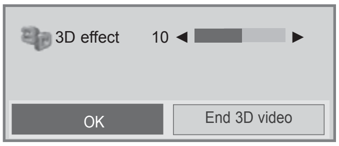
4



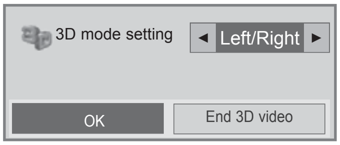
Select **Left/Right** or **Right/Left**.
Select the screen with 3D video with better visibility.


▇ Setting Left/Right
☑ Left/Right
☐ Right/Left
3D End 3D video
Exit

or


3D effect 10 ◀ ▶
OK | End 3D video

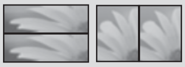
or


3D mode setting ◀ Left/Right ▶
OK | End 3D video

- Press the **3D** button to return to normal TV viewing.

NOTE

- ▶ If you select 3D mode, "Power indicator" is turned off automatically. (LCD TV/LED LCD TV only)
- ▶ While watching 3D imaging, you cannot adjust video/audio settings using the menu. (LCD TV/LED LCD TV only)
- ▶ Some menus may not work while watching the TV in 3D.
- ▶ You can only choose "Standard → Cinema → Game" with the **AV MODE** button on remote control. **AV Mode** is set as **Standard** while playing in 3D. (LCD TV/LED LCD TV only)
- ▶ If used 3D effect on the 2D source, 3D may not work.
- ▶ The 3D imaging mode is disabled automatically when switching DTV channels.
- ▶ The screen may not be displayed properly if you view 2D DTV images in 3D imaging mode.
- ▶ 3D effect can be seen when 3D Mode is selected appropriately for the 3D input signal supplied to the TV.
- ▶ Energy Saving is disabled while playing in 3D.
- ▶ For MPO files (3D camera files), the 3D imaging mode is enabled automatically.
- ▶ If you'd like to play the BGM using *.mpo file(3D camera file), In advance, the contents path for BGM should be set on full-sized photo view screen which isn't *.mpo file(3D camera file). (LCD TV/LED LCD TV only)
- ▶ Picture mode is set as Standard, Energy Saving Off if entering to 3D mode. (LCD TV/LED LCD TV only)

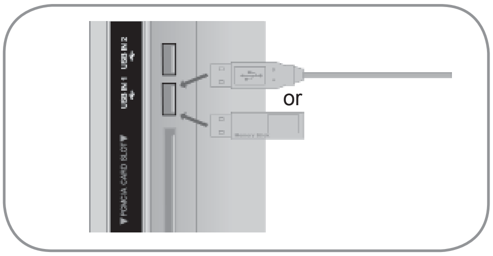
NOTES FOR VIEWING 3D IMAGE WITH 3D BROADCASTING (* In Analog TV, 3D Imaging does not work.)		
When switching the 2D image display to the 3D image display with the 3D button on the remote control, the overlapped image may be displayed.		■ Disable the 3D imaging mode with the 3D button. ■ The 3D imaging mode is disabled automatically if you change the channel.
If the screen is divided into left/right or top/bottom when you change the channel		■ This channel supports the 3D imaging mode. Select the 3D imaging type displayed on the screen by pressing the 3D button on the remote control.
If your eyes are sore or the screen looks blurry while viewing 3D images		■ Press the L/R SELECT button on the remote control and select L/R or R/L, which you find better for viewing 3D images.

TO USE A USB OR PC DEVICE

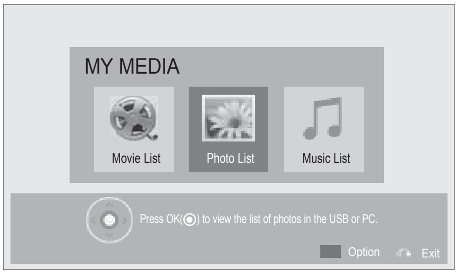
WHEN CONNECTING A USB DEVICE

When you connect a USB device, this pop up menu is displayed, automatically.
"POP UP MENU" will not be displayed while the OSD including Menu, EPG or Schedule list is activated or while the Bluetooth Headset is connected.
When the Pop Up menu appears, you can select Music List, Photo List or Movie List in the MY MEDIA menu.
In USB device, you can not add a new folder or delete the existing folder.
After choosing the desired type of media, choose a device to open files from. The options are: USB device or DLNA.

1 Connect the USB device to the **USB IN 1** or **USB IN 2** jack on the TV.


USB IN 2
USB IN 1
PCMCIA CARD SLOT
or

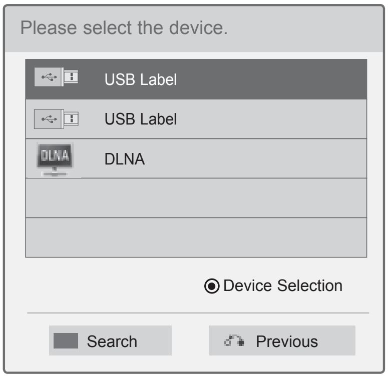
2 Select **Movie List**, **Photo List** or **Music List**.


MY MEDIA
Movie List
Photo List
Music List
Option
Exit

Press OK(◉) to view the list of photos in the USB or PC.

3 **OK** Select the desired device.

4 **BLUE** Search other network device.


Please select the device.

USB Label
USB Label
DLNA

◉ Device Selection

Search
Previous

- Press the **BACK** button to move to the previous menu screen.

- Only photo(JPEG, MPO(Only 42/47LX6***, 47/55LX9***, 50/60PX9***)), music (MP3) and movie(DAT, MPG, MPEG, VOB, AVI, DIVX, MP4, MKV, TS, TRP, TP, ASF, WMV) are supported.

When removing the USB device

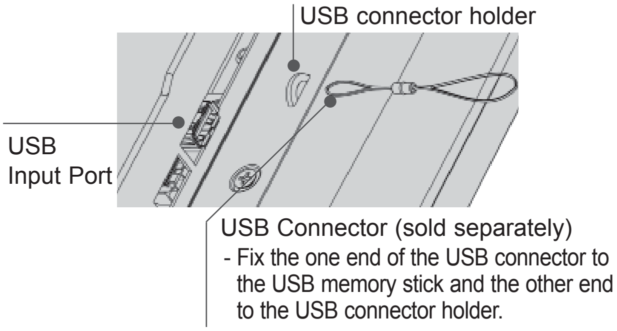
Select the **USB Device** menu before removing the USB device.

1 **Q.MENU** Select **USB Device**.

2 **OK** Select **Eject**.

NOTE

- ■ Image shown may differ from your TV.
- ► In order to avoid losing the USB memory stick, use the USB connector(sold separately) to fix the USB memory stick to the USB connector holder of the TV. (Plasma TV only)


USB connector holder
USB
Input Port
USB Connector (sold separately)

- Fix the one end of the USB connector to the USB memory stick and the other end to the USB connector holder.

Precautions when using the USB device

- ▶ Only a USB storage device is recognizable.
- ▶ If the USB storage device is connected through a USB hub, the device is not recognizable.
- ▶ A USB storage device using an automatic recognition programme may not be recognized.
- ▶ A USB storage device which uses its own driver may not be recognized.
- ▶ The recognition speed of a USB storage device may depend on each device.
- ▶ Please do not turn off the TV or unplug the USB device when the connected USB storage device is working. When such device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.
- ▶ Please do not connect the USB storage device which was artificially maneuvered on the PC. The device may cause the product to malfunction or fail to be played. Never forget to use only a USB storage device which has normal music files, image files or movie files.
- ▶ Please use only a USB storage device which was formatted as a FAT32 file system, NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility programme which is not supported by Windows, it may not be recognized.
- ▶ Please connect power to a USB storage device(over 0.5 A) which requires an external power supply. If not, the device may not be recognized.
- ▶ Please connect a USB storage device with the cable offered by the device maker.
- ▶ Some USB storage devices may not be supported or operated smoothly.
- ▶ File alignment method of USB storage device is similar to Window XP and filename can recognize up to 100 English characters.
- ▶ Be sure to back up important files since data stored in a USB memory device may be damaged. We will not be responsible for any data loss.
- ▶ If the USB HDD does not have an external power source, the USB device may not be detected. So be sure to connect the external power source. - Please use a power adaptor for an external power source. We do not guarantee an USB cable for an external power source.
- ▶ If your USB memory device has multiple partitions, or if you use a USB multi-card reader, you can use up to 4 partitions or USB memory devices.
- ▶ If a USB memory device is connected to a USB multi-card reader, its volume data may not be detected.
- ▶ If the USB memory device does not work properly, disconnect and reconnect it.
- ▶ How fast a USB memory device is detected differs from device to device.
- ▶ If the USB is connected in Standby Mode, specific hard disk will automatically be loaded when the TV is turned on.
- ▶ The recommended capacity is 1 TB or less for a USB external hard disk and 32 GB or less for USB memory.
- ▶ Any device with more than the recommended capacity may not work properly.
- ▶ If a USB external hard disk with a "Energy Saving" function does not work, turn the hard disk off and on again to make it work properly.
- ▶ USB storage devices below USB 2.0 are supported as well. But they may not work properly in the movie list.
- ▶ Maximum of 999 folders or files can be recognized under one folder.
- ▶ If there are too many folders and files in one folder, it may not operate properly.

DLNA

About DLNA

This TV can display and play many types of movie, photo and music files from your DLNA server and has been certified by DLNA for photos.

The Digital Living Network Alliance (DLNA) is a cross-industry organization of consumer electronics, computing industry and mobile device companies. Digital Living provides consumers with easy sharing of digital media through a wired or wireless network in the home.

The DLNA certification logo makes it easy to find products that comply with the DLNA Interoperability Guidelines. This unit complies with DLNA Interoperability Guidelines v1.5. When a PC running DLNA server software or other DLNA compatible device is connected to this TV, some setting changes of software or other devices may be required. Please refer to the operating instructions for the software or device for more information.

Please refer to pages 93 to 127 for additional information on supported file types and other instructions.

NOTE

- ▶The supplied Nero MediaHome 4 Essentials CD-ROM is a customized software edition only for sharing files and folders to this TV.
- ▶The supplied Nero MediaHome 4 Essentials software does not support following functions: Transcoding, Remote UI, TV control, Internet services and Apple iTunes
- ▶This manual explains operations with the English version of Nero MediaHome 4 Essentials as examples. Follow the explanation referring to the actual operations of your language version.
- ▶If there are too many folders and files in one folder, it may not operate properly.
- ▶For the DLNA option, use the Nero MediaHome programme that is provided with the TV. However, we cannot guarantee that third party programmes will work perfectly.
- ▶You can select a channel while viewing the small preview channel list on your TV screen.
- ▶Check your network settings when the DLNA option does not work properly.
- ▶If there is an abnormal operation or an error occurs in Nero Media Home, the DLNA option may not work properly. In this case, exit Nero Media Home and restart the programme. You can download the latest version of Nero Media Home by clicking the question mark at the bottom-left of the programme.
- ▶When the network is unstable, the device may be slower or may need to load during playback.
- ▶When playing a video in DLNA mode, the Multi Audio and Closed Caption features are not supported.
- ▶When selecting Full Screen in DLNA mode, the ratio of the outputted screen may differ from the original.
- ▶When more than one TV is connected to a single server in DLNA mode, a file may not play properly, depending on the server performance.
- ▶If the play time information is not provided by the server, it is displayed as "--:--:--."
- ▶When using Movie List, DRM/*.tp /*.trp files in the DLNA server cannot be played.
- ▶The *.MPO file in DLNA server is not played when Photo List is in operation.
- ▶DLNA operation may not work properly according to the AP manufacturers.

Installing Nero MediaHome 4 Essentials

Nero MediaHome 4 Essentials is easy to use DLNA server software for Windows.

Requirement PC system before you install Nero MediaHome 4 Essentials

- Windows® XP (Service Pack 2 or higher), Windows Vista® (no Service Pack required), Windows® XP Media Center Edition 2005 (Service Pack 2 or higher), Windows Server® 2003
- Windows Vista® 64-bit edition (application runs in 32-bit mode)
- Hard drive space: 200 MB hard drive space for a typical installation of Nero MediaHome stand-alone
- 1.2 GHz Intel® Pentium® III or AMD Sempron™ 2200+ processors
- Memory: 256 MB RAM
- Graphics card with at least 32 MB video memory, minimum resolution of 800 x 600 pixels, and 16-bit colour settings
- Windows® Internet Explorer® 6.0 or higher
- DirectX® 9.0c revision 30 (August 2006) or higher
- Network environment: 100 Mb Ethernet, WLAN (IEEE 802.11 b/g/n) (IEEE 802.11 n: Except for Russia)

1. Start up your computer, and insert the Nero MediaHome 4 Essentials CD-ROM into your computer's CD-ROM drive.
   An installation wizard will walk you through the quick and uncomplicated installation process.

2. Close all Microsoft Windows programmes and exit any anti-virus software that may be running.

3. Insert the Nero MediaHome 4 Essentials CD-ROM into your computer's CD-ROM drive.

4. Click **Nero MediaHome 4 Essentials**. The installation is prepared and the installation wizard appears.

5. Click the **Next** button to display the serial number input screen.
   Click **Next** to go to the next step.

6. If you accept all conditions, click **I accept the License Conditions** check box and click **Next**. Installation is not possible without this agreement.

7. Click **Typical** and click **Next**. The installation process is started.

8. If you want to take part in the anonymous collection of data, select the check box and click the **Next** button.

9. Click the **Exit** button to complete the installation.

Sharing files and folders

After installing Nero MediaHome, you must add folders you wish to share.

1 Double-click the **Nero MediaHome 4 Essentials** icon on the desktop.

2 Click **Network** icon on the left and define your network name in the **Network name** field. The Network name you enter will be recognized by your TV.

3 Click **Shares** icon on the left.

4 Click **Local Folders** tab on the **Shared** screen.

5 Click **Add** icon to open the **Browse Folder** window.

6 Select the folder containing the files you want to share. The selected folder is added to the list of shared folders.

7 Click **Start Server** icon to start the server.

! NOTE

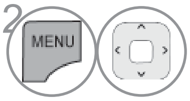
► If the shared folders or files are not displayed on the TV, click the folder on the **Local Folders** tab and click **Rescan Folder** at the **More** button.

► Visit **www.nero.com** for more information and software tools.

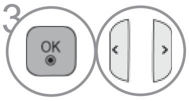
Playing back shared contents

You can display and play movie, photo and music content stored on your computer or other DLNA media servers.

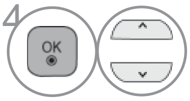
1 Start the server on your computer or other device that connected on your home network.

2


Select **MY MEDIA**.

3


Select **Movie List**, **Photo List** or **Music List**.

4


Select the DLNA.
Depending on the media server, this TV may need to get the permission from the server.
If you want to re-scan available media server, press blue colour button.

NOTE

- ►To play the file on the media server, the TV and the media server must be connected to the same access point.
- ►Because the compatibility and available playback functions on the **MY MEDIA** menu are tested on the bundle DLNA server (Nero MediaHome 4 Essentials) environment, file requirements and playback functions on the **MY MEDIA** may differ depending on media servers.
- ►The file requirements on this page are not always compatible. There may have some restrictions by file features and media server's ability.
- ► Even the files that are not supported can be displayed in photo thumbnail or music thumbnail.
- ►Movie thumbnail is not supported in DLNA Movie.
- ►If there is an unplayable music file in the **MY MEDIA** menu, the TV will skip the file and play next file.
- ►The file information indicated on the screen may not always correct for music and movie files in **MY MEDIA** menu.
- ►This TV only supports movie subtitle files supplied by Nero MediaHome 4.
- ►The subtitle file name and movie file name have to be the same and located at the same folder.
- ►If subtitle files have been added after a directory has been indexed already, the user has to remove and re-add the folder to the list of shares.
- ►The playback and operating quality of the **MY MEDIA** function may be affected by your home network condition.
- ►The files from removable media such as USB drive, DVD-drive etc. on your media server may not share properly.
- ► When playing the Media through DLNA connection, it does not support the DivX file play which is protected by DRM.
- ► Up to 200 folders in one folder and 999 including folders and files can be recognized.
- ► If there are too many folders and files in one folder, it may not operate properly.

MOVIE LIST

You can play movie files on a USB or PC storage device.
The movie list is activated once USB is detected. It is used when playing movie files on TV.
Displays the movies in the USB folder and supports Play.
Allows playback of all movies in the folder and user desired files.
It is a movie list that displays folder information and movie file.
The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

Movie(*.mpg/*.mpeg/*.dat/*.ts/*.trp/*.tp/*.vob/*.mp4/*.mov/*.mkv/*.dvix/*.avi/*.asf/*.wmv/*.avi(motion-jpeg)/*.mp4(motion-jpeg)/*.mkv(motion-jpeg))supporting file

Video format : DivX3.11, DivX4.12, DivX5.x, DivX6, Xvid1.00, Xvid1.01, Xvid1.02, Xvid1.03, Xvid1.10 beta-1/beta-2, Mpeg-1, Mpeg-2, Mpeg-4, H.264/AVC, VC1, JPEG, Sorenson H.263

Audio format : Dolby Digital, AAC, Mpeg, MP3, LPCM, HE-AAC, ADPCM, WMA

Bit rate : within 32 kbps to 320 kbps(MP3)

External Subtitle format : *.smi/*.srt/*.sub(MicroDVD,Subviewer1.0/2.0)/*.ass/*.ssa/*.txt(TMPlayer)/*.psb(PowerDivX)

Internal Subtitle format : only, XSUB (It is the subtitle format used in DivX6 files)

- Some user-created subtitles may not work properly.
- Some special characters are not supported in subtitles.
- HTML tags are not supported in subtitles.
- Subtitles in languages other than the supported languages are not available.
- Changing font and colour in subtitles is not supported.
- Subtitles in languages other than one specified are not supported.
- Video files with subtitle files of 1 MB or larger may not be played properly.
- The screen may suffer temporary interruptions (image stoppage, faster playback, etc.) when the audio language is changed.
- A damaged movie file may not be played correctly, or some player functions may not be usable.
- Movie files produced with some encoders may not be played correctly.
- If the video and audio structure of recorded file is not interleaved, either video or audio is outputted.
- HD videos with a maximum of 1920x1080@25/30P or 1280x720@50/60P are supported, depending on the frame.
- Videos with resolutions higher than 1920X1080@25/30P or 1280x720@50/60P may not work properly depending on the frame.
- Movie files other than the specified types and formats may not work properly.
- **Max bitrate of playable movie file is 20 Mbps.**
- We do not guarantee smooth playback of profiles encoded level 4.1 or higher in H.264/AVC.
- DTS Audio codec is not supported.
- A movie file more than 30 GB in file size is not supported for playback.
- A DivX movie file and its subtitle file must be located in the same folder.
- A video file name and its subtitle file name must be identical for it to be displayed.
- Playing a video via a USB connection that doesn’t support high speed may not work properly.
- The movie file encoded by the GMC (Global Motion Compensation) and Qpel (Quarterpel Motion Estimation) is not supported.
- When you are watching the movie by Movie List function, you can adjust an image by **Energy Saving** and **AV Mode** key on the remote control. User setup for each image mode does not operate.
- Trick Mode does not support other functions than ►► if video files do not have index information.
- When playing video file using network, the Trick mode is limited to 2-times speed.
- Video file names that contain special characters may not be playable.

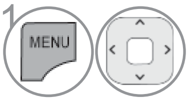
Supported DivX file

File Extensions	A/V	Codec	Profile/Level Support	Explanation
.asf .wmv	Video	VC-1 Advanced Profile	Advanced Profile@Level 3 (e.g. 720p60, 1080i60, 1080p30)	Only streams compliant to SMPTE 421M VC-1 standard are supported.
		VC-1 Simple and Main Profiles	Simple Profile@Medium Level (e.g. CIF, QVGA) Main Profile@High Level (e.g. 1080p30)	
	Audio	WMA Standard		
		WMA 9 Professional		
.divx .avi	Video	DivX3.11		Global motion compensation or quarterpel motion estimation does not supported. Streams using this syntax are not supported.
		DivX4 DivX5 DivX6	Advanced Simple Profile (e.g. 720p/1080i)	
		XViD		
		H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	
	Audio	MPEG-1Layer I, II MPEG-1 Layer III(MP3) Dolby Digital		
.mp4 .m4v	Video	H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	Global motion compensation or quarterpel motion estimation does not supported. Streams using this syntax are not supported.
		MPEG-4 Part 2	Advanced Simple Profile (e.g. 720p/1080i)	
	Audio	AAC	AAC-LC and HE-AAC	
.mkv	Video	H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	Most of the MKV content available is encoded by the open source x264 codec.
	Audio	AAC	AAC-LC and HE-AAC	
		Dolby Digital		
.ts .trp .tp	Video	H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	
		MPEG-2	Main Profile@High Level(e.g. 720p60, 1080i60)	
		VC-1	Simple Profile@Medium Level (e.g. CIF, QVGA) Main Profile@High Level (e.g. 1080p30) Advanced Profile@Level3 (e.g. 720p60, 1080i60, 1080p30)	Only streams compliant to SMPTE 421M VC-1 standard are supported.
	Audio	MPEG-1Layer I, II MPEG-1 Layer III(MP3) Dolby Digital		
		AAC	AAC-LC and HE-AAC	
.vob	Video	MPEG-1		
		MPEG-2	Main Profile@High Level (e.g. 720p60, 1080i60)	
	Audio	Dolby Digital MPEG-1Layer I, II DVD-LPCM		
.mpg	Video	MPEG-1	Main Profile@High Level (e.g. 720p60, 1080i60)	Only streams compliant configured properly for TS, PS or ES
	Audio	MPEG-1Layer I, II		

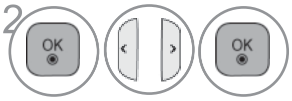
TO USE A USB OR PC DEVICE

Screen Components

You can also adjust **USB** in the **INPUT** menu.

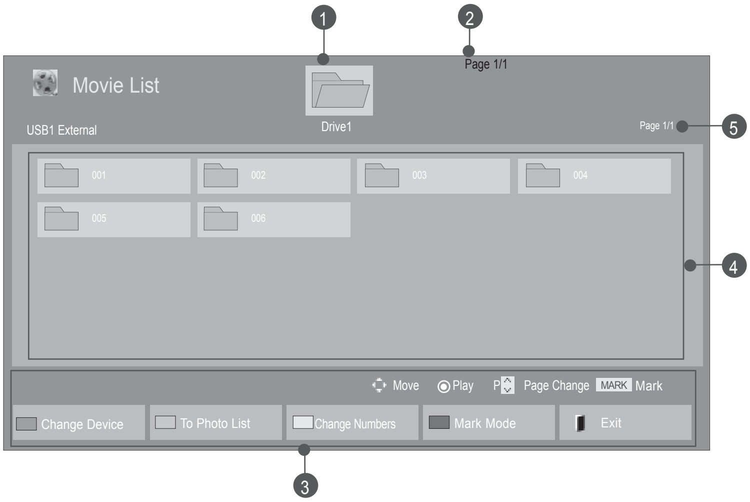


Select **MY MEDIA**.



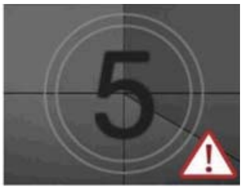
Select **Movie List.**

❶ Moves to upper level folder
❷ Current page/Total pages
❸ Corresponding buttons on the remote control
❹ Contents under the folder focused on ❶
❺ Current page/ total pages of contents under the folder focused on ❶

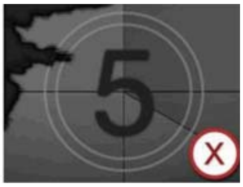

1
2
Page 1/1
Movie List
USB1 External
Drive1
Page 1/1
5
001
002
003
004
005
006
4
Move
Play
P Page Change
MARK Mark
Change Device
To Photo List
Change Numbers
Mark Mode
Exit
3

- Some files may be displayed the preview image by icon only.

- Non-supported files are displayed the preview image by icon only.

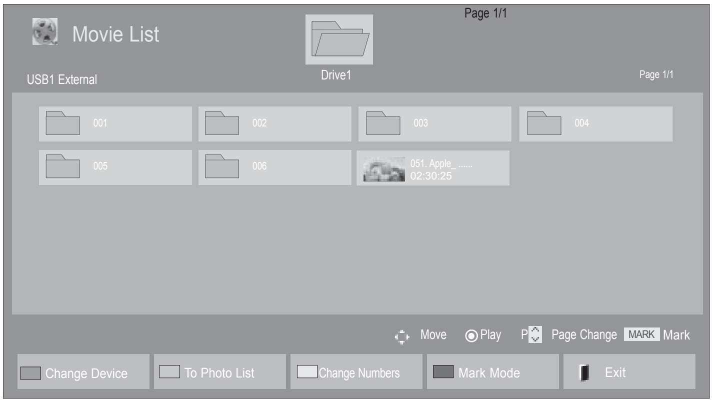


- Abnormal files are displayed in the form of bitmap.



Movie Selection

■ When playing movie files


Movie List
Page 1/1
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
051. Apple_ ......
02:30:25
Move
Play
P
Page Change
MARK
Mark
Change Device
To Photo List
Change Numbers
Mark Mode
Exit

---

1 Select the target folder or drive.

2 Select the desired movie title.

3 Movie files are played.

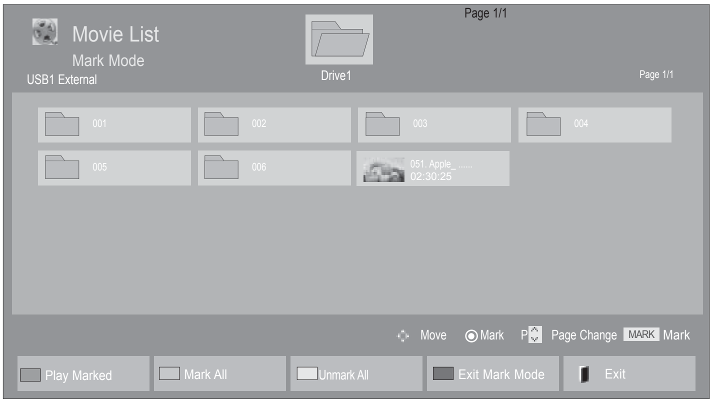
- Use the **P** ^ v button to navigation in the movie page.

Using the remote control

RED	Change device.
GREEN	Repeatedly, press the **GREEN** button to converted to **Photo List->Music List**.
YELLOW	A method to view in 5 large thumbnail or simple list.
BLUE	Convert to **Mark Mode**.
EXIT	Return to normal TV viewing.
▶	Press the **PLAY(▶)** button to return to normal playback.

TO USE A USB OR PC DEVICE

■ When selected movie files are played


Page 1/1
Movie List
Mark Mode
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
051. Apple_ ......
02:30:25
Move
Mark
P Page Change
MARK Mark
Play Marked
Mark All
Unmark All
Exit Mark Mode
Exit

---

1 Select the target folder or drive.

2 OK Select the desired movie title.

3 BLUE or MARK FAV CHAR/NUM Convert to **Mark Mode**.

4 OK Mark desired Movie file.

5 RED Marked movie file is played.

- When one or more movie files are marked, the marked movies will be played in sequence.

NOTE

▶ In the case of files not supported, a message regarding non-supported file is displayed.

Using the remote control

RED	Play the selected movie file. Once a movie file finishes playing, the next selected one will be played automatically.
GREEN	Mark all movie files on the screen.
YELLOW	Deselect all marked movie files.
BLUE	Exit the **Mark Mode**.
EXIT	Return to normal TV viewing.

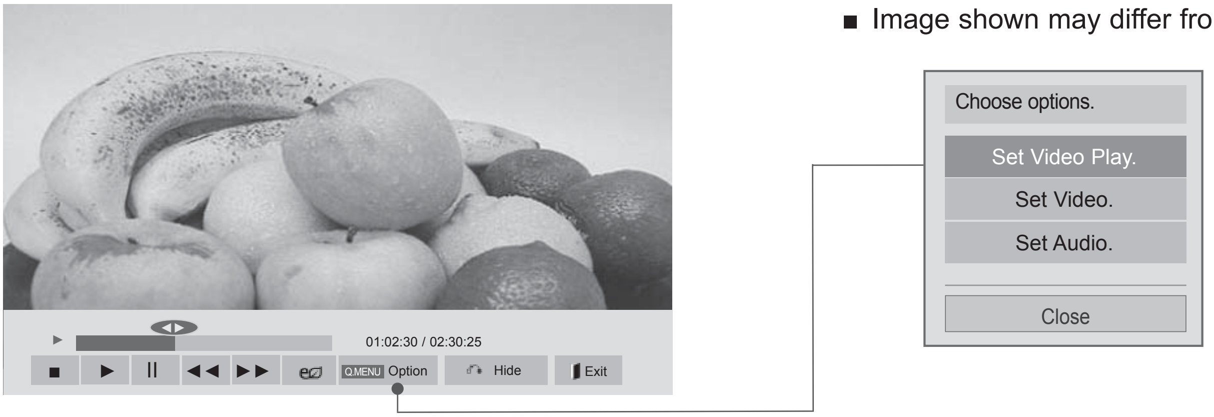
NOTE

- ► If you select “Yes” from OSD when playing the same file after the movie file has been stopped, it will restart where it stopped previously.
- ► If continuous series files exist within the folder, the next file will automatically be played.
  But, this excludes cases when the **Repeat** function of Movie List Option is turned “**On**” (Refer to p. 104) or when set as Marked Play.

TO USE A USB OR PC DEVICE

Using the Movie List function, play

■ Image shown may differ from your TV.



Choose options.

Set Video Play.

Set Video.

Set Audio.

Close

1 Q.MENU or MENU Show the **Option** menu.

2 Select **Set Video Play.**, **Set Video.**, **Set Audio.** or **Set 3D video.**(Only 42/47LX6***, 47/55LX9***, 50/60PX9***).

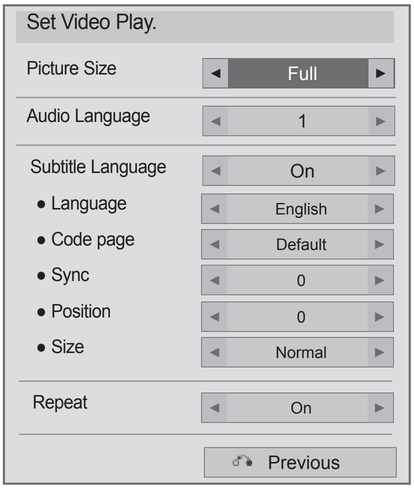
NOTE

- ▶ Option values changed in **Movie List** does not affect **Photo List** and **Music List**.
- ▶ Option value changed in **Photo List** and **Music List** are changed likewise in **Photo List** and **Music List** excluding **Movie List**.
- ▶ When replaying the video file after stopping, you can play from where it stopped previously.

Using the remote control

■	Stop the playing movie file.
►	Press the **PLAY(►)** button to return to normal playback.
II	During playback, press the **Pause(II)** button. ■ Still screen is displayed. ■ If no buttons are pressed on the remote control for 10 minutes after pausing, the TV returns to the playback state. ■ Press the **Pause(II)** button and then use the **FF(►►)** button for slow motion.
◄◄ / ►►	When playing, repeatedly, press the **REW(◄◄)** button to speed up ◄◄(x2) -> ◄◄◄(x4) -> ◄◄◄◄(x8) ->◄◄◄◄◄(x16) ->◄◄◄◄◄◄(x32) . repeatedly, press the **FF(►►)** button to speed up ►►(x2)-> ►►►(x4) -> ►►►►(x8) ->►►►►►(x16) -> ►►►►►►(x32). ■ Pressing these buttons repeatedly increases the fast forward/reverse speed.
MENU or Q.MENU	Show the **Option** menu.
BACK	Hide the menu on the full-sized screen. ■ To see the menu again on the full-sized screen, press **OK** button to display.
EXIT	Return to normal TV viewing.
‹ ›	■ When using the ‹ or › button during playback a cursor indicating the position can be viewed on the screen.
ENERGY SAVING	Press the **ENERGY SAVING** button repeatedly to change the brightness of your screen.(Refer to p. 138)
AV MODE	Press the **AV MODE** button repeatedly to select the desired source.(Refer to p. 66)

■ When you select the Set Video Play,



Set Video Play.

Picture Size ◄ Full ►

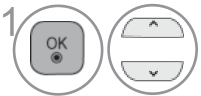
Audio Language ◄ 1 ►

Subtitle Language ◄ On ►

- Language ◄ English ►
- Code page ◄ Default ►
- Sync ◄ 0 ►
- Position ◄ 0 ►
- Size ◄ Normal ►

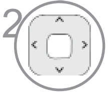
Repeat ◄ On ►

1



Select **Picture Size, Audio Language, Subtitle Langugae** or **Repeat.**

2



Make appropriate adjustments.

Subtitle Language	Support Language
Latin1	English, Spanish, French, German, Italian, Swedish, Finnish, Dutch, Portuguese, Danish, Romanian, Norwegian, Albanian, Gaelic, Welsh, Irish, Catalan,Valencian
Latin2	Bosnian, Polish, Croatian, Czech, Slovak, Slovenian, Serbian, Hungarian
Latin4	Estonian, Latvian, Lithuanian
Cyrillic	Bulgarian, Macedonian, Russian, Ukrainian, Kazakh
Greek	Greek
Turkish	Turkish

- ▶ **Picture Size** : Selects your desired picture format during movie play.
- ▶ **Audio Language** : Changes the Language Group of the audio during movie play. Files with a single audio track cannot be selected.
- ▶ **Subtitle Langugae :** Turn on/off the subtitle.
- ▶ **Language :** Activated for SMI subtitle and can select the language within the subtitle.
- ▶ **Code page :** Can select the font for subtitle. When set to default, same font as general menu will be used.
- ▶ **Sync** : Adjusts the time synchronisation of the subtitle from -10 secs to +10 secs by steps of 0.5 secs during movie play.
- ▶ **Position** : Changes the position of the subtitle either up or down during movie play.
- ▶ **Size** : Selects your desired Subtitle size during movie play.
- ▶ **Repeat :** Turn on/off repeat function of movie playback. When turned on, the file within the folder will be played back repeatedly. Even when the repeated playback is turned off, it can run the playback if the file name is similar to the previous file.

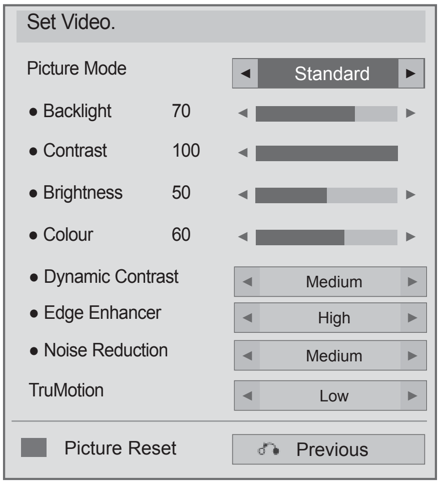
NOTE

- ▶ Only 10,000 of sync blocks can be supported within the subtitle file.
- ▶ When playing a video, you can adjust the Picture Size by pressing the **RATIO** button.

■ When you select the Set Video,

■ Image shown may differ from your TV.

LCD TV/LED LCD TV only



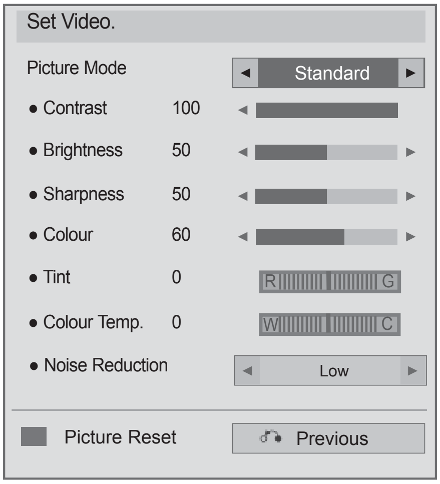
Set Video.

Picture Mode ◄ Standard ►

- Backlight 70
- Contrast 100
- Brightness 50
- Colour 60
- Dynamic Contrast ◄ Medium ►
- Edge Enhancer ◄ High ►
- Noise Reduction ◄ Medium ►

TruMotion ◄ Low ►

PLASMA TV Only



Set Video.

Picture Mode ◄ Standard ►

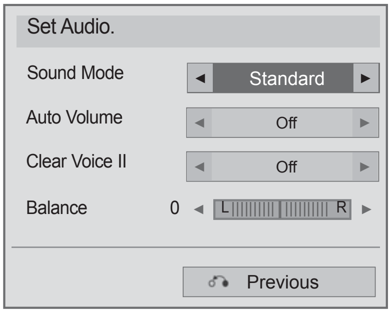
- Contrast 100
- Brightness 50
- Sharpness 50
- Colour 60
- Tint 0
- Colour Temp. 0
- Noise Reduction ◄ Low ►

1 Select **Picture Mode** or **TruMotion.**

2 Make appropriate adjustments. (Refer to p. 139 to 148)

TO USE A USB OR PC DEVICE

■ When you select the Set Audio,


Set Audio.

Sound Mode ◄ Standard ►

Auto Volume ◄ Off ►

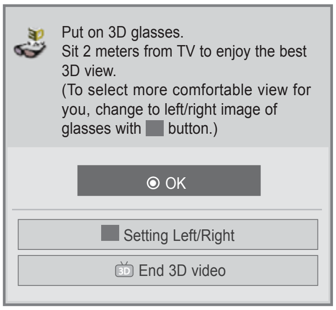
Clear Voice II ◄ Off ►

Balance 0 ◄ L R ►

1 Select **Sound Mode, Auto Volume, Clear Voice II** or **Balance.**

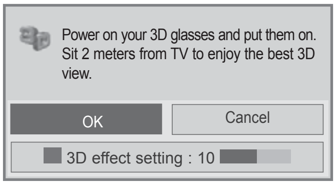
2 Make appropriate adjustments. (Refer to p. 154 to 158)

■ When you select the Set 3D video, (Only 42/47LX6***, 47/55LX9***, 50/60PX9***)


Put on 3D glasses.
Sit 2 meters from TV to enjoy the best 3D view.
(To select more comfortable view for you, change to left/right image of glasses with ■ button.)

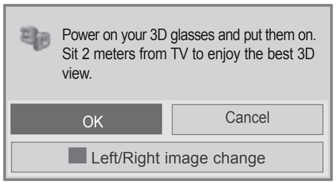
OK
Setting Left/Right
End 3D video

or


Power on your 3D glasses and put them on.
Sit 2 meters from TV to enjoy the best 3D view.

3D effect setting : 10

or


Power on your 3D glasses and put them on.
Sit 2 meters from TV to enjoy the best 3D view.

OK
Cancel
Left/Right image change

For more information, see the 3D Imaging section in the Owner's Manual.

PHOTO LIST

You can view photo files on USB or PC storage device.
The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.
When you are watching the photo by the Photo List function, you can not change the picture mode.

PHOTO(*.JPEG) supporting file

Baseline : 64 x 64 to 15360 x 8640
Progressive : 64 x 64 to 1920 x 1440

- You can play JPEG files only.
- Non-supported files are displayed in the form of predefined icon.
- An error message occurs for corrupted files or file formats that cannot be played.
- Corrupted image files may not be displayed properly.
- It may take some time to view high-resolution images in full screen.

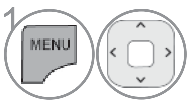
Only 42/47LX6***, 47/55LX9***, 50/60PX9***

	File Extensions	Item	Profile
2D	jpeg jpg jpe	supproted file format	SOF0: baseline SOF1: Extend Sequential SOF2: Progressive
		photo size	Min: 64 x 64 Max - Normal Type: 15360 (W) x 8640 (H) Progressive Type: 1920 (W) x 1440 (H)
3D	mpo	supproted file format	mpo
		photo size	4:3 size: 3,648 x 2,736 2,592 x 1,944 2,048 x 1,536 3:2 size: 3,648 x 2,432

Screen Components

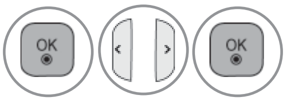
You can also adjust **USB** in the **INPUT** menu.

1



Select **MY MEDIA**.

2



Select **Photo List.**

① Moves to upper level folder
② Current page/Total pages
③ Corresponding buttons on the remote control
④ Contents under the folder focused on ①
⑤ Current page/ total pages of contents under the folder focused on ①

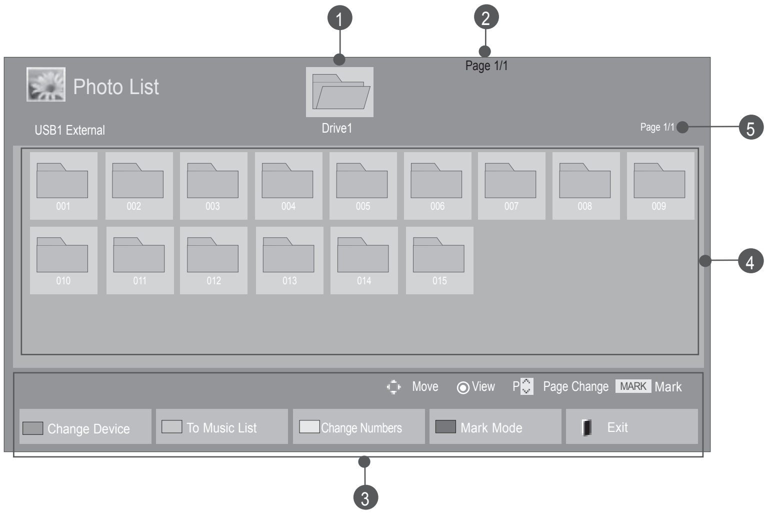

1
2
Page 1/1
Photo List
USB1 External
Drive1
Page 1/1
5
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
4
Move
View
Page Change
MARK
Mark
Change Device
To Music List
Change Numbers
Mark Mode
Exit
3

Photo Selection

■ When playing photo files

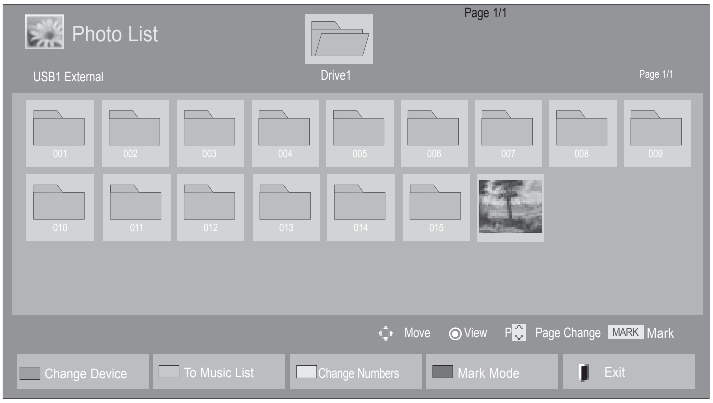


Photo List
Page 1/1
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
Move
View
P
Page Change
MARK
Mark
Change Device
To Music List
Change Numbers
Mark Mode
Exit

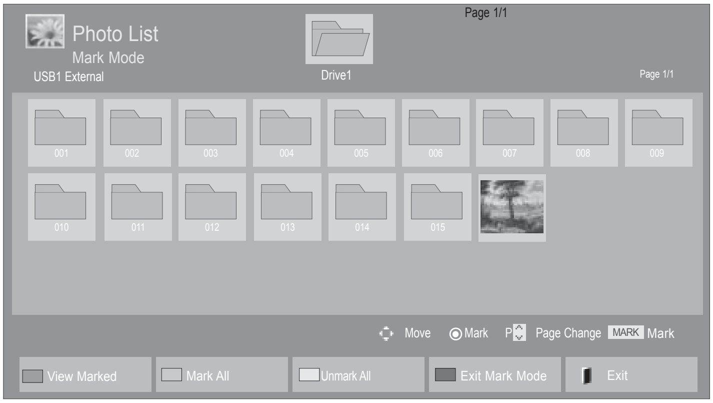
1. Select the target folder or drive.
2. Select the desired photos.
3. Photo files are displayed.

- Use the **P**∧∨ button to navigation in the photo page.

Using the remote control

RED	Change device.
GREEN	Repeatedly, press the **GREEN** button to converted to **Music List->Movie List**.
YELLOW	A method to view in 5 large thumbnail or simple list.
BLUE	Convert to **Mark Mode**.
EXIT	Return to normal TV viewing.

■ When selected photo files are displayed


Page 1/1
Photo List
Mark Mode
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
Move
Mark
P
Page Change
MARK
Mark
View Marked
Mark All
Unmark All
Exit Mark Mode
Exit

1 Select the target folder or drive.

2 OK Select the desired photos.

3 BLUE or MARK FAV CHAR/NUM Convert to **Mark Mode**.

4 OK Mark desired photo file.

5 RED Marked photo file is displayed.

- When one or more photos are marked, you can view each marked photo or a slide show of the marked photos. If no photos are marked, you can view every individual photo in the folder or a slide show of all photos in the folder.

TO USE A USB OR PC DEVICE

Using the remote control

RED	Display the selected photo file.
GREEN	Mark all photo files on the screen.
YELLOW	Deselect all marked photo files.
BLUE	Exit the **Mark Mode**.
EXIT	Return to normal TV viewing.

How to view photo

Detailed operations are available on full-sized photo view screen.

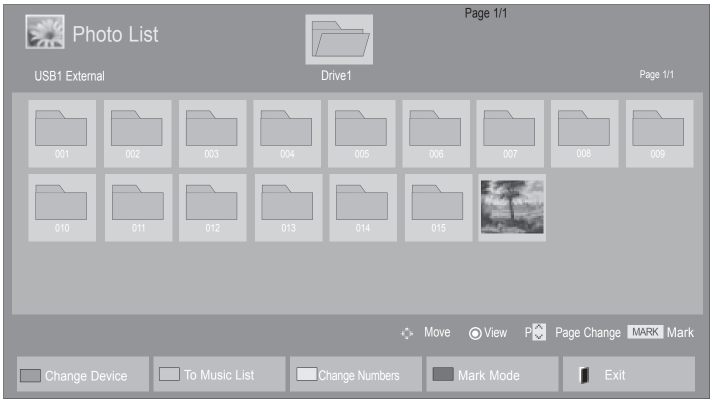
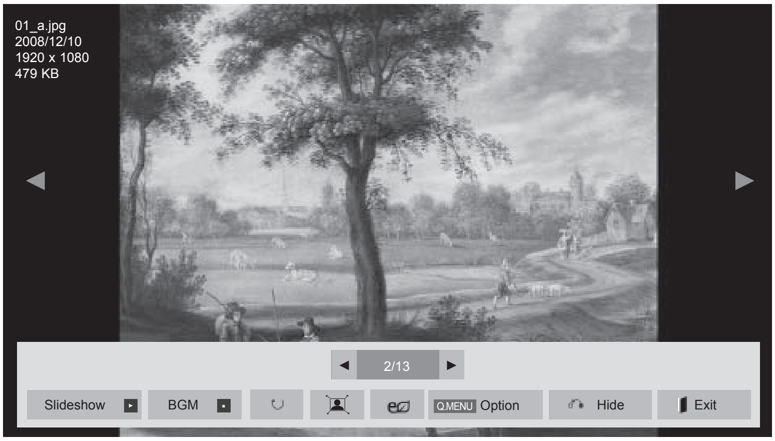


Photo List
Page 1/1
USB1 External
Drive1
Page 1/1
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
Move
View
P Page Change
MARK Mark
Change Device
To Music List
Change Numbers
Mark Mode
Exit


01_a.jpg
2008/12/10
1920 x 1080
479 KB
2/13
Slideshow
BGM
Q.MENU Option
Hide
Exit

The aspect ratio of a photo may change the size of the photo displayed on the screen in full size. Press the **EXIT** button to move to the previous menu screen.

---

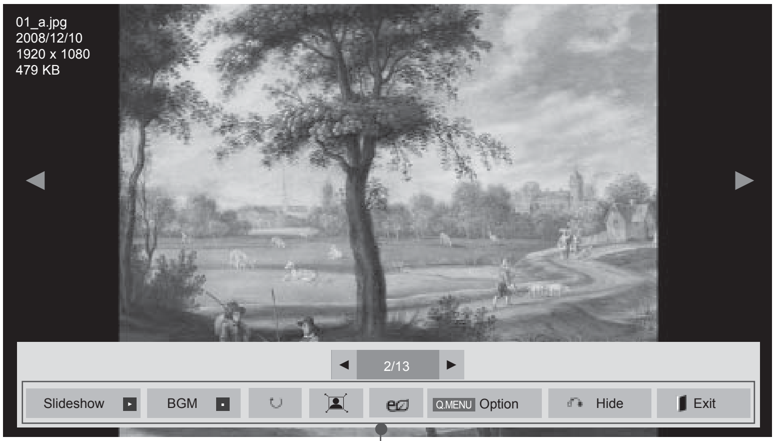
1 Select the target folder or drive.

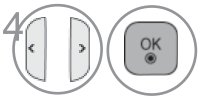
2 Select the desired photos.

3 The selected photo is displayed in full size.

- Use the **P** ^ v button to navigation in the photo page.

- Press the **EXIT** button to go back to Photo List.
- Press the **BACK** button to make Help OSD disappear.





Select the **Slideshow**, **BGM**, **↻ (Rotate)**, **▣/▣**, **e⌀**, **Option**, **Hide** or **Exit**.

- Use < > button to select the previous or next photo.
- Use < > button to select and control the menu on the full-sized screen.

▶ **Slideshow** : When no picture is selected, all photos in the current folder are displayed during slide show. If some photos are selected, those photos are displayed in a slide show.

■ Set the time interval of the slide show in **Option**.

▶ **BGM** (Background Music) : Listen to music while viewing photos in full size.

■ Set the BGM device and album in Options before using this function.

■ You can adjust **Option** by **Q.MENU** or **MENU** button on the remote control.

▶ **↻ (Rotate)** : Rotate photos.

■ Rotates the photo 90°, 180°, 270°, 360° clockwise.

■ It can not be rotate when the width of a picture is bigger than supported height.

▶ ▣/▣ : You can view the photo in Full or Original mode.

▶ e⌀ : Press the **ENERGY SAVING** button repeatedly to change the brightness of your screen. (Refer to p. 138)

▶ **Option** : Set values for **Slide Speed** and **BGM**.

■ Use ^ v < > button and **OK** button to set values. Press **OK** to save the settings.

■ You cannot change **BGM** while BGM is playing.

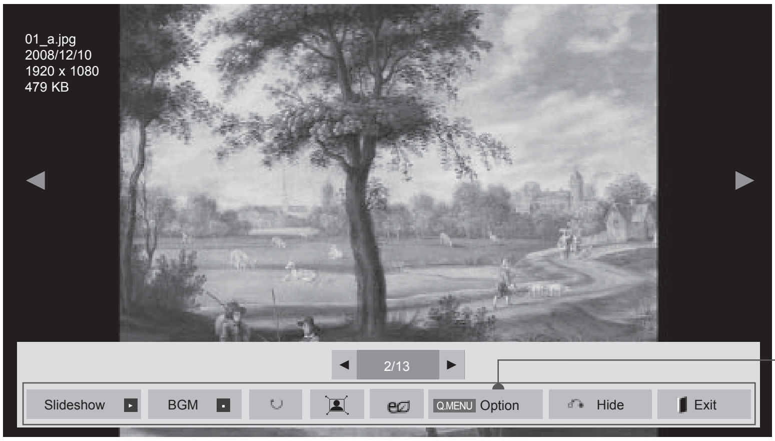
■ You can only select the MP3 folder saved on the device that currently displays the photo.

▶ **Hide** : Hide the menu on the full-sized screen.

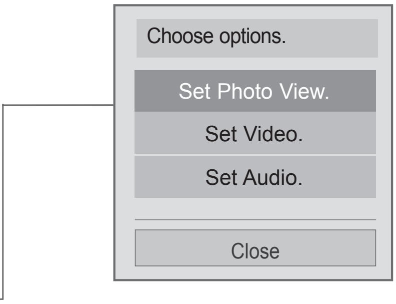
■ To see the menu again on the full-sized screen, press **OK** button to display.

Press the **EXIT** button to go back to **Photo List.**

Using the Photo List function


01_a.jpg
2008/12/10
1920 x 1080
479 KB
2/13
Slideshow
BGM
Q.MENU Option
Hide
Exit

■ Image shown may differ from your TV.


Choose options.
Set Photo View.
Set Video.
Set Audio.
Close

1 Q.MENU or MENU Show the **Option** menu.

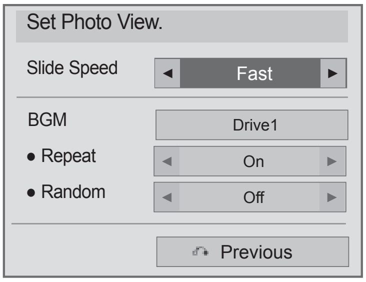
2 Select **Set Photo View., Set Video., Set Audio.** or **Set 3D video.**(Only 42/47LX6***, 47/55LX9***, 50/60PX9***)**.**

NOTE

- ▶ Option values changed in **Movie List** does not affect **Photo List** and **Music List**.
- ▶ Option value changed in **Photo List** and **Music List** are changed likewise in **Photo List** and **Music List** excluding **Movie List**.
- ▶ You cannot select the Option in 3D imaging mode. (Only 42/47LX6***, 47/55LX9***)
- ▶ If you want to listen to BGM (background music) while viewing *mpo image files, play a *jpg file and set the BGM folder in "Option - Set Photo View." Then, you can select and listen to BGM when viewing *mpo files. (Only 42/47LX6***, 47/55LX9***)

TO USE A USB OR PC DEVICE

■ When you select the Set Photo View,

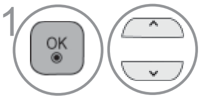

Set Photo View.

Slide Speed ◄ Fast ►

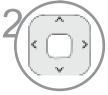
BGM Drive1

- Repeat ◄ On ►
- Random ◄ Off ►

---

1 

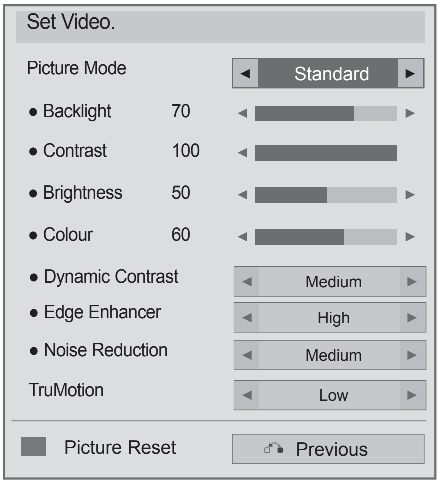
Select **Slide Speed** or **BGM.**

2 
Make appropriate adjustments.

■ When you select the Set Video,

■ Image shown may differ from your TV.

LCD TV/LED LCD TV only



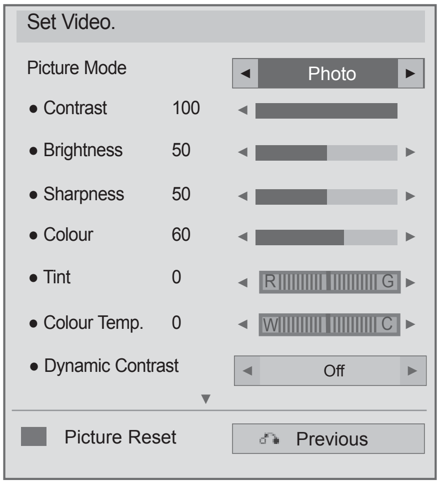
Set Video.

Picture Mode ◄ Standard ►

- Backlight 70
- Contrast 100
- Brightness 50
- Colour 60
- Dynamic Contrast ◄ Medium ►
- Edge Enhancer ◄ High ►
- Noise Reduction ◄ Medium ►

TruMotion ◄ Low ►

PLASMA TV Only



Set Video.

Picture Mode ◄ Photo ►

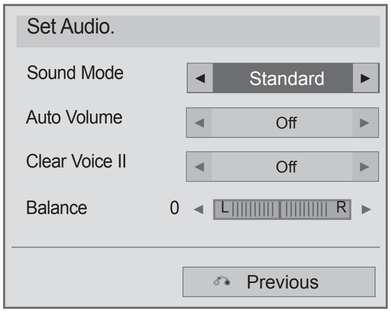
- Contrast 100
- Brightness 50
- Sharpness 50
- Colour 60
- Tint 0
- Colour Temp. 0
- Dynamic Contrast ◄ Off ►

1 Select **Picture Mode** or **TruMotion.**

2 Make appropriate adjustments. (Refer to p. 139 to 148)

TO USE A USB OR PC DEVICE

■ When you select the Set Audio,



Set Audio.

Sound Mode ◄ Standard ►

Auto Volume ◄ Off ►

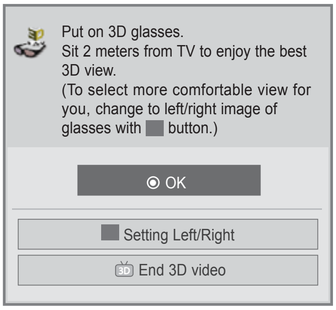
Clear Voice II ◄ Off ►

Balance 0 ◄ L R ►

1 Select **Sound Mode, Auto Volume, Clear Voice II** or **Balance.**

2 Make appropriate adjustments. (Refer to p. 154 to 158)

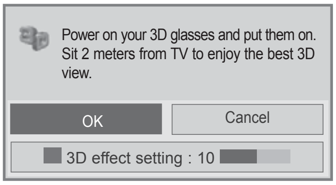
■ When you select the Set 3D video, (Only 42/47LX6***, 47/55LX9***, 50/60PX9***)



Put on 3D glasses.
Sit 2 meters from TV to enjoy the best 3D view.
(To select more comfortable view for you, change to left/right image of glasses with ▇ button.)

OK
Setting Left/Right
End 3D video

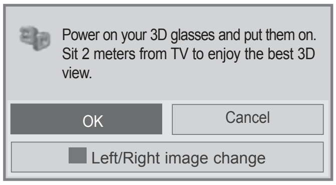
or



Power on your 3D glasses and put them on.
Sit 2 meters from TV to enjoy the best 3D view.

3D effect setting : 10

or



Power on your 3D glasses and put them on.
Sit 2 meters from TV to enjoy the best 3D view.

OK
Cancel
Left/Right image change

For more information, see the 3D Imaging section in the Owner's Manual.

MUSIC LIST

You can play music files on USB or PC storage device.

Purchased music files(*.MP3) may contain copyright restrictions. Playback of these files may not be supported by this model.

Music file on your USB device can be played by this unit.

The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

MUSIC (*.MP3) supporting file

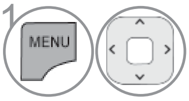
Bit rate 32 to 320

- Sampling rate MPEG1 Layer3 : 32 kHz, 44.1 kHz, 48 kHz
- Sampling rate MPEG2 Layer3 : 16 kHz, 22.05 kHz, 24 kHz

Screen Components

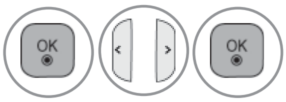
You can also adjust **USB** in the **INPUT** menu.

1



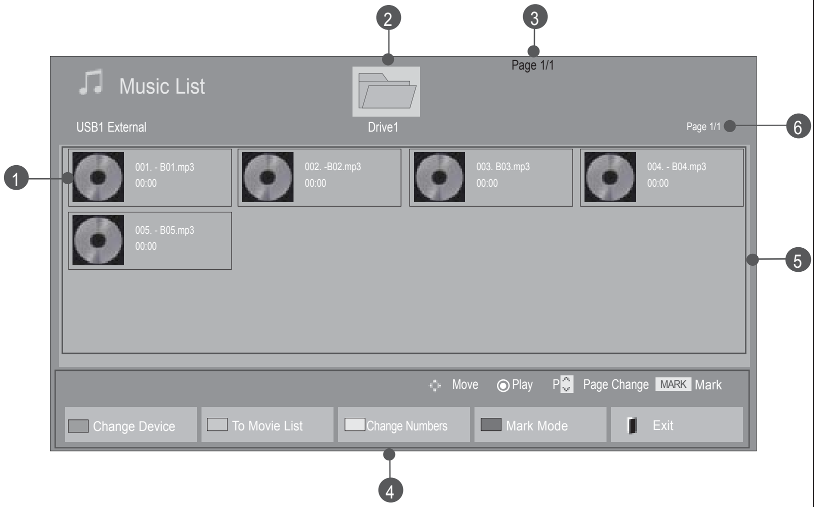
Select **MY MEDIA**.

2



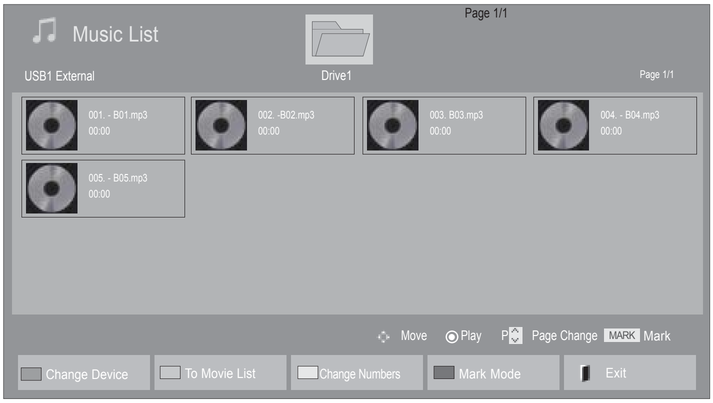
Select **Music List.**

❶ Preview: If any album jacket for the file(Album Art Image) exists, this jacket is displayed.
❷ Moves to upper level folder
❸ Current page/Total pages
❹ Corresponding buttons on the remote control
❺ Contents under the folder focused on ❷
❻ Current page/ total pages of contents under the folder focused on ❷


2
3
Page 1/1
Music List
USB1 External
Drive1
Page 1/1
6
1
001. - B01.mp3
00:00
002. -B02.mp3
00:00
003. B03.mp3
00:00
004. - B04.mp3
00:00
005. - B05.mp3
00:00
5
Move
Play
P
Page Change
MARK
Mark
Change Device
To Movie List
Change Numbers
Mark Mode
Exit
4

TO USE A USB OR PC DEVICE

Music Selection



Music List
Page 1/1
USB1 External
Drive1
Page 1/1
Move
Play
P
Page Change
MARK
Mark
Change Device
To Movie List
Change Numbers
Mark Mode
Exit

001. - B01.mp3
00:00

002. -B02.mp3
00:00

003. B03.mp3
00:00

004. - B04.mp3
00:00

005. - B05.mp3
00:00

■ When playing music files

1 Select the target folder or drive.

2 Select the desired music title.

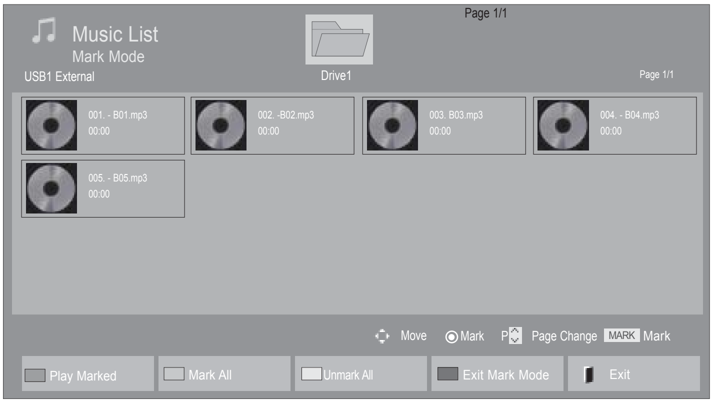
3 Music files are played.

- Use the **P** ^ v button to navigate up/down in the music page.

Using the remote control

RED	Change device.
GREEN	Repeatedly, press the **GREEN** button to converted to **Movie List->Photo List**.
YELLOW	A method to view in 5 large thumbnail or simple list.
BLUE	Convert to **Mark Mode**.
EXIT	Return to normal TV viewing.

■ When selected music files are played


Page 1/1
Music List
Mark Mode
USB1 External
Drive1
Page 1/1
001. - B01.mp3
00:00
002. -B02.mp3
00:00
003. B03.mp3
00:00
004. - B04.mp3
00:00
005. - B05.mp3
00:00
Move
Mark
P Page Change
MARK Mark
Play Marked
Mark All
Unmark All
Exit Mark Mode
Exit

---

1 Select the target folder or drive.

2 OK Select the desired music title.

3 BLUE or MARK FAV CHAR/NUM Convert to **Mark Mode**.

4 OK Mark desired music file.

5 RED Marked music file is played.

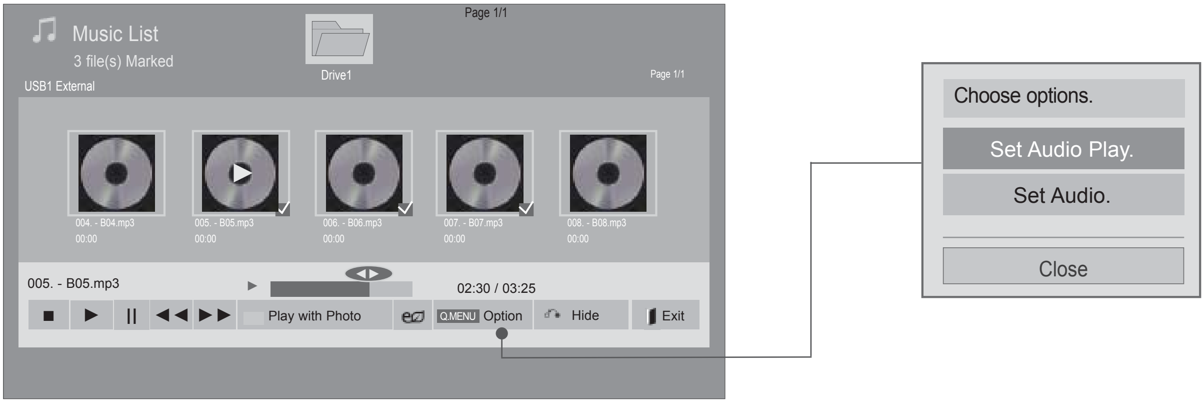
- When one or more music files are marked, the marked music title will be played in sequence. For example, if you want to listen to only one music repeatedly, just mark the music only and play it. If no music is marked, all the music in the folder will be played in sequence.
- If you want to activate Random playback, you must set **Option->Set audio play.->Random** to **On**.

TO USE A USB OR PC DEVICE

Using the remote control

RED	Display the selected music file.
GREEN	Mark all music files on the screen.
YELLOW	Deselect all marked music files.
BLUE	Exit the **Mark Mode**.
EXIT	Return to normal TV viewing.

Using the Music List function, play


Music List
3 file(s) Marked
USB1 External
Drive1
Page 1/1
Page 1/1
004. - B04.mp3
00:00
005. - B05.mp3
00:00
006. - B06.mp3
00:00
007. - B07.mp3
00:00
008. - B08.mp3
00:00
005. - B05.mp3
02:30 / 03:25
Play with Photo
Q.MENU Option
Hide
Exit
Choose options.
Set Audio Play.
Set Audio.
Close

---

1 Q.MENU or MENU Show the **Option** menu.

2 Select **Set Audio Play.** or **Set Audio.**

NOTE

▶ Option values changed in Movie List does not affect Photo List and Music List.

▶ Option value changed in Photo List and Music List are changed likewise in Photo List and Music List excluding Movie List.

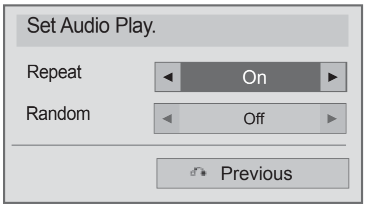
▶ You can listen to the music only within the device currently played.

TO USE A USB OR PC DEVICE

Using the remote control

■	Stop the playing music file.
▶	Press the **PLAY(▶)** button to return to normal playback.
II	When you press the **Pause(II)** button while playing the file, the playback will be paused. When you press the **Pause(II)** button again while the playback is paused, it will resume the playback.
◀◀ / ▶▶	When playing, When you press the **REW(◀◀)** button, the previous music file will be played. When you press the **FF(▶▶)** button, the next music file will be played.
GREEN	Start playing the selected music files and then move to the **Photo List**.
ENERGY SAVING	Press the **ENERGY SAVING** button repeatedly to change the brightness of your screen.(Refer to p. 138) Only Off/Screen Off operates from the Movie List, Photo List, Music List (LCD TV/LED LCD TV only).
MENU or Q.MENU	Show the **Option** menu.
BACK	■ When you press the **Back** button while the music is playing, the music player currently playing will be hidden and only the music list will be displayed.
EXIT	■ When you press the **Exit** button while the Music player is displayed, only the music will be stopped and the player will not return to normal TV viewing. ■ When you press the **Exit** button while the music is stopped or while the music player is hidden, the player will return to normal TV viewing.
〈 〉	■ When using the 〈 or 〉 button during playback a cursor indicating the position can be played.

■ When you select the Set Audio Play,



Set Audio Play.

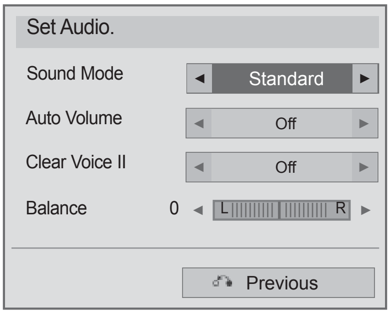
Repeat ◀ On ▶

Random ◀ Off ▶

1 Select **Repeat** or **Random.**

2 Make appropriate adjustments.

■ When you select the Set Audio,



Set Audio.

Sound Mode ◄ Standard ►

Auto Volume ◄ Off ►

Clear Voice II ◄ Off ►

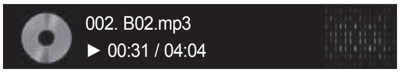
Balance 0 ◄ L R ►

1 Select **Sound Mode, Auto Volume, Clear Voice II** or **Balance.**

2 Make appropriate adjustments. (Refer to p. 154 to 158)

- If you don't press any button for a while during the playing, the play information box (as shown in the below) will float as a screen saver.
- The ‘Screen Saver’?

  Screen saver is to prevent screen pixel damage due to an fixed image remaining on the screen for a extended period of time.



002. B02.mp3

► 00:31 / 04:04

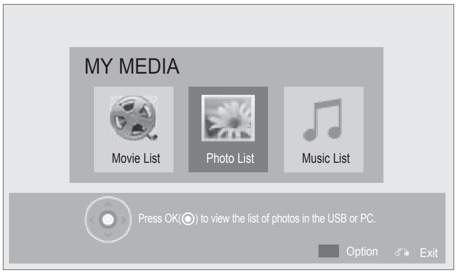
NOTE

- ► A damaged or corrupted music does not play but displays 00:00 in playtime.
- ► A music downloaded from a paid service with copyright protection does not start but displays inappropriate information in playtime.
- ► If you press OK, ■ buttons, screen saver is stopped.
- ► The PLAY(►), Pause(II), ■ , ►►, ◄◄ buttons on the remote control are also available in this mode.
- ► You can use the ►► button to select the next music and the ◄◄ button to select the previous music.

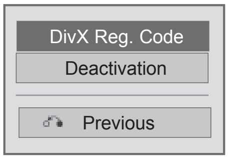
DIVX REGISTRATION CODE

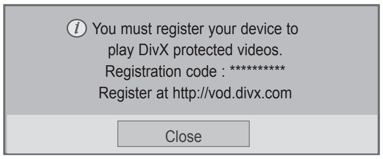
Confirm the DivX registration code number of the TV. Using the registration number, movies can be rented or purchased at www.divx.com/vod.

With a DivX registration code from other TV, playback of rented or purchased DivX file is not allowed. (Only DivX files matched with the registration code of the purchased TV are playable.)



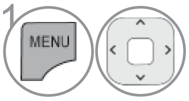
Press OK(◉) to view the list of photos in the USB or PC.



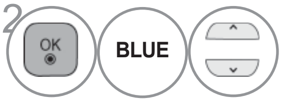


You must register your device to play DivX protected videos.
Registration code : **********
Register at http://vod.divx.com

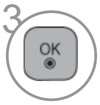
---

1 

Select **MY MEDIA**.

2 

Select **DivX Reg. Code**.

3 

Display DivX Reg. Code.

- Press the **MENU/EXIT** button to return to normal TV viewing.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX,Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

“DivX Certified to play DivX video up to HD 1080p, including premium content”

“Pat. 7,295,673; 7,460,668;7,515,710;7,519,274”

NOTE

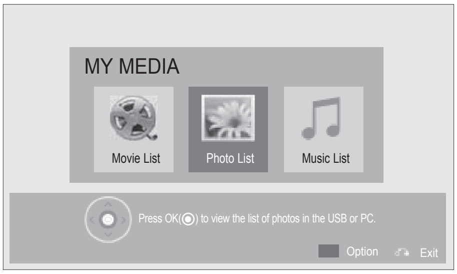
► Movie files are supported as follows
Resolution : under 1920x1080 WxH pixels
Frame rate : under 30 frames/sec(1920x1080), under 60 frames/sec(under 1280x720)

► Video Codec : MPEG 1, MPEG 2, MPEG 4, H.264/AVC, DivX 3.11, DivX 4.12, DivX 5.x, DivX 6, Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1, Xvid 1.10-beta2, JPEG, VC1, Sorenson H.263/H.264

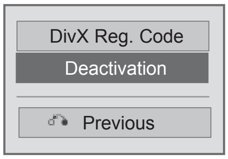
► The DRM/*.tp /*.trp file in DLNA server is not played when Movie List is in operation.

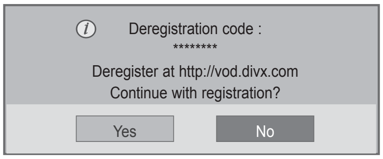
DEACTIVATION

The purpose of deactivation is to allow deactivation of devices for users who have activated all the available devices through the web_server and are blocked from activating more devices. DivX VOD allowed the consumer to activate up to 6 devices under one account, but to replace or deactivate any of those devices, the consumer had to contact DivX Support and request deletion. Now with this added feature, consumers will be able to deactivate the device themselves and hence better manage their DivX VOD devices.



Press OK(◉) to view the list of photos in the USB or PC.





Deregistration code :
****
Deregister at http://vod.divx.com
Continue with registration?

---

1 MENU Select **MY MEDIA**.

2 OK BLUE Select **Deactivation**.

3 OK Select **Yes**.

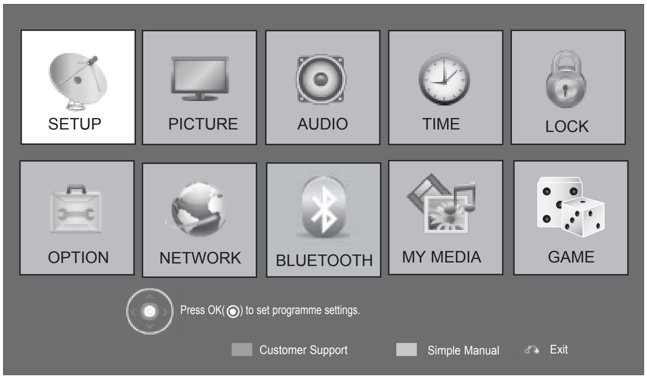
4 OK Display **Deactivation**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

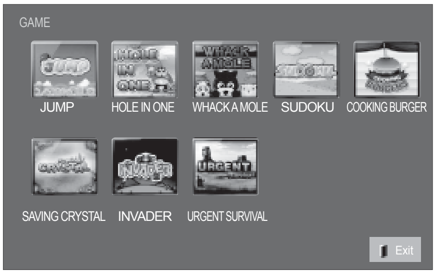
GAME

GAME

Allows you to enjoy the games installed on the TV.


SETUP
PICTURE
AUDIO
TIME
LOCK
OPTION
NETWORK
BLUETOOTH
MY MEDIA
GAME
Customer Support
Simple Manual
Exit

Press OK(◉) to set programme settings.


GAME
JUMP
HOLE IN ONE
WHACK A MOLE
SUDOKU
COOKING BURGER
SAVING CRYSTAL
INVADER
URGENT SURVIVAL
Exit

1 Select **GAME**.

2 Select the desired game.

3 Enter the selected game mode.

- Press the **EXIT** button to return to normal TV viewing.

EPG(ELECTRONIC PROGRAMME GUIDE) (IN DIGITAL MODE)

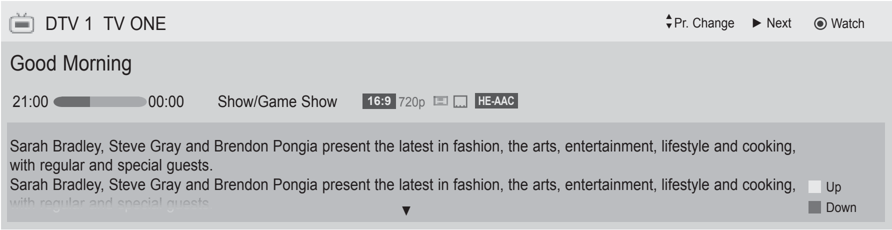
This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

This function can be used only when the EPG information is broadcast by broadcasting companies.

You must set the Clock in the **Time** menu, before using EPG function.

The EPG displays the programme details for 8 days.



Sarah Bradley, Steve Gray and Brendon Pongia present the latest in fashion, the arts, entertainment, lifestyle and cooking, with regular and special guests.
Sarah Bradley, Steve Gray and Brendon Pongia present the latest in fashion, the arts, entertainment, lifestyle and cooking, with regular and special guests.

INFOⓘ Shows current programme information

📺 Displayed with a TV or DTV Programme.

📻 Displayed with a Radio Programme.

MHEG Displayed with a MHEG Programme.

HE-AAC Displayed with a HE-AAC Programme.

4:3 Aspect ratio of broadcasting programme.

16:9 Aspect ratio of broadcasting programme.

☰ Displayed with a Teletext Programme.

▭ Displayed with a Subtitle Programme.

▦ Displayed with a Scramble Programme.

D Displayed with a Dolby Digital Programme.

D+ Displayed with a Dolby Digital Plus Programme.

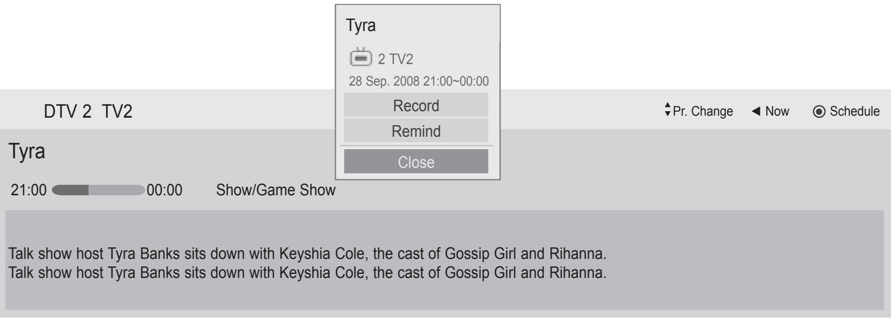
576i/p, 720p, 1080i/p : Resolution of broadcasting programme

🖥 Broadcasted programme with the icon may not be displayed in Monitor Out depending on the information of the programme.

APP Displayed with a MHP Programme.

Shows next programme information.

Shows other programme information.



Talk show host Tyra Banks sits down with Keyshia Cole, the cast of Gossip Girl and Rihanna.
Talk show host Tyra Banks sits down with Keyshia Cole, the cast of Gossip Girl and Rihanna.

OK A pop-up window for record/remind settings appear.

Select Timer Record/Remind setting mode.

EPG (ELECTRONIC PROGRAMME GUIDE)

Switch on/off EPG

1 GUIDE Switch on or off EPG.

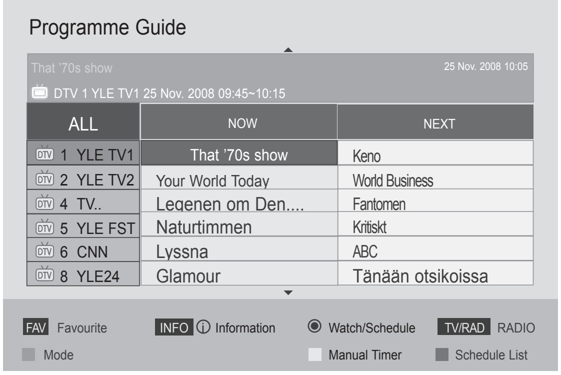
Select a programme

1 or P Select desired programme.

Button Function in NOW/NEXT Guide Mode

You can view a programme being broadcasted and one scheduled to follow.

RED	Change EPG mode.
YELLOW	Enter Manual Timer mode.
BLUE	Enter Schedule List mode.
OK	When ‘NOW’ is selected, it is moved to selected programme and EPG disappears When ‘NEXT’ is selected, a reservation pop-up window appears.
< >	Select NOW or NEXT Programme.
∧ ∨	Select the Broadcast Programme.
P	Page Up/Down.



Programme Guide

That ’70s show 25 Nov. 2008 10:05

DTV 1 YLE TV1 25 Nov. 2008 09:45~10:15

ALL	NOW	NEXT
DTV 1 YLE TV1	That ’70s show	Keno
DTV 2 YLE TV2	Your World Today	World Business
DTV 4 TV..	Legenen om Den....	Fantomen
DTV 5 YLE FST	Naturtimmen	Kritiskt
DTV 6 CNN	Lyssna	ABC
DTV 8 YLE24	Glamour	Tänään otsikoissa

GUIDE or BACK or EXIT	Switch off EPG.
TV/RAD	Select DTV or RADIO Programme.
INFO ⓘ	Detail information on or off.

Button Function in 8 Day Guide Mode

RED Change EPG mode.

GREEN Enter Date setting mode.

YELLOW Enter Manual Timer mode.

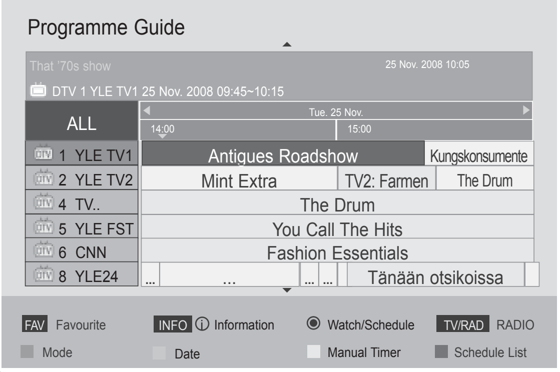
BLUE Enter Schedule List mode.

OK When ‘Currently broadcasting programme’ is selected, it is moved to selected programme and EPG disappears

When ‘Future broadcasting programme’ is selected, a reservation pop-up window appears.

‹ › Select Programme.

˄ ˅ Select the Broadcast Programme.



Programme Guide

That ’70s show 25 Nov. 2008 10:05

DTV 1 YLE TV1 25 Nov. 2008 09:45~10:15

ALL

Tue. 25 Nov.

14:00 15:00

1 YLE TV1 — Antiques Roadshow | Kungskonsumente

2 YLE TV2 — Mint Extra | TV2: Farmen | The Drum

4 TV.. — The Drum

5 YLE FST — You Call The Hits

6 CNN — Fashion Essentials

8 YLE24 — ... | ... | ... | ... | Tänään otsikoissa

FAV Favourite INFO ⓘ Information ◉ Watch/Schedule TV/RAD RADIO

▨ Mode ☐ Date ☐ Manual Timer ▨ Schedule List

P Page Up/Down.

GUIDE or **BACK** or **EXIT** Switch off EPG.

TV/RAD Select DTV or RADIO Programme.

INFO ⓘ Detail information on or off.

EPG (ELECTRONIC PROGRAMME GUIDE)

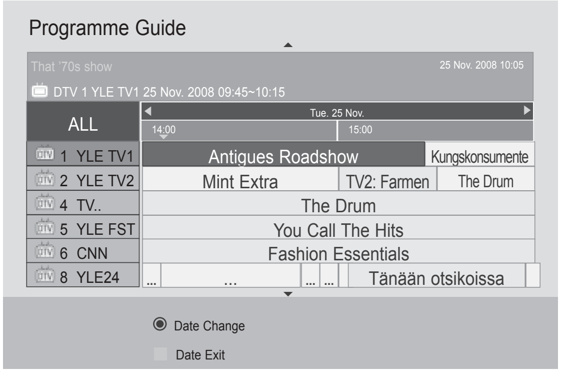
Button Function in Date Change Mode

GREEN or ⌄ or BACK Switch off Date setting mode.

OK Change to the selected date.

‹ › Select a date.

GUIDE or EXIT Switch off EPG.


Programme Guide

That '70s show 25 Nov. 2008 10:05

DTV 1 YLE TV1 25 Nov. 2008 09:45~10:15

ALL	Tue. 25 Nov. 14:00 15:00
DTV 1 YLE TV1	Antiques Roadshow / Kungskonsumente
DTV 2 YLE TV2	Mint Extra / TV2: Farmen / The Drum
DTV 4 TV..	The Drum
DTV 5 YLE FST	You Call The Hits
DTV 6 CNN	Fashion Essentials
DTV 8 YLE24	... / ... / ... / ... / Tänään otsikoissa

◉ Date Change

Date Exit

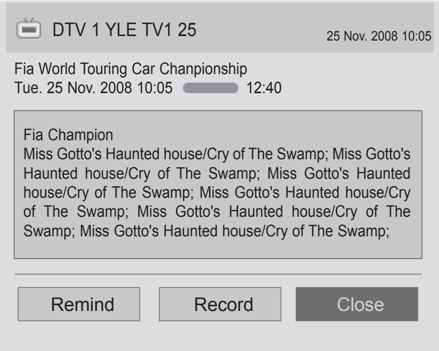
Button Function in Extended Description Box

INFO The detail information on or off.

⌃ ⌄ Text Up/Down.

‹ › Select Timer Record/Remind setting mode.

GUIDE or EXIT Switch off EPG.


DTV 1 YLE TV1 25 25 Nov. 2008 10:05

Fia World Touring Car Chanpionship
Tue. 25 Nov. 2008 10:05 12:40

Fia Champion
Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp; Miss Gotto's Haunted house/Cry of The Swamp;

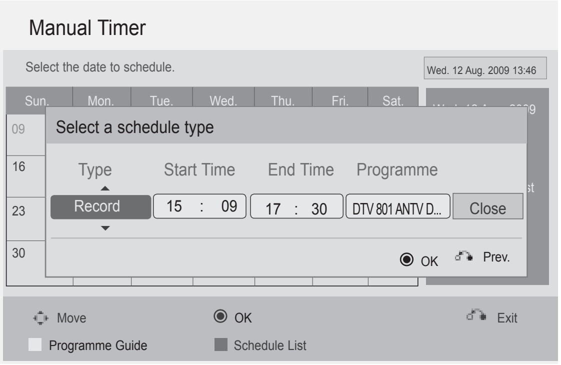
Button Function in Record/Remind Setting Mode

Sets a start or end time, programme for recording, and sets a start time, programme for the reminder with the end time grayed out.

This function is available only when recording equipment that use pin8 recording signalling has been connected to the TV-OUT(AV1) terminal, using a SCART cable.

Recording function is only supported in the Digital mode and not in the Analogue mode.

BACK	Switch off Manual Timer mode.
˄ ˅	Select Remind or Record function setting.
‹ ›	Select Type, Start Time, End time or Programme.
YELLOW	Change to Guide mode.
BLUE	Change to Schedule List mode.
OK	Save Timer Record/Remind.



Manual Timer

Select the date to schedule.

Wed. 12 Aug. 2009 13:46

Sun. Mon. Tue. Wed. Thu. Fri. Sat.

09
16
23
30

Select a schedule type

Type	Start Time	End Time	Programme	
Record	15 : 09	17 : 30	DTV 801 ANTV D...	Close

Button Function in Schedule List Mode

If you've created a schedule list, a scheduled programme is displayed at the scheduled time even when you are watching a different programme at the time.

Currently recording item cannot be edited or deleted.

YELLOW Change to Manual Timer mode.

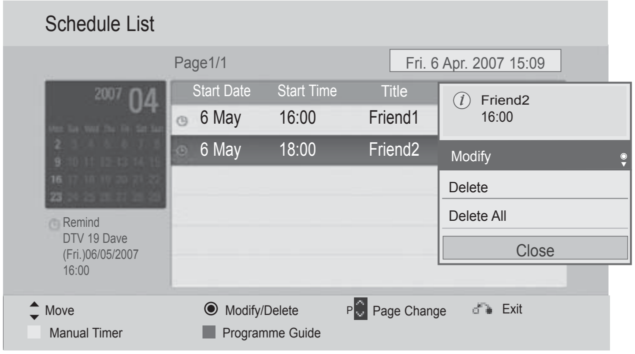
BLUE or **GUIDE** Change to Guide mode.

BACK Switch off **Schedule List**.

OK Select your desired Option(Modify/Delete/Delete All).

Select programme.

P Page Up/Down.



Schedule List

Page1/1

Fri. 6 Apr. 2007 15:09

Start Date	Start Time	Title
6 May	16:00	Friend1
6 May	18:00	Friend2

Remind
DTV 19 Dave
(Fri.)06/05/2007
16:00

Friend2
16:00

2007 04
Modify
Delete
Delete All
Close
Move
Modify/Delete
Page Change
Exit
Manual Timer
Programme Guide

PICTURE CONTROL

PICTURE SIZE (ASPECT RATIO) CONTROL

You can watch the screen in various picture formats; 16:9, Just Scan, Original, Full Wide, 4:3, 14:9, Zoom and Cinema Zoom.

If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible.

You can adjust the enlarge proportion using ∧ ∨ button.

This function works in the following signal.

---

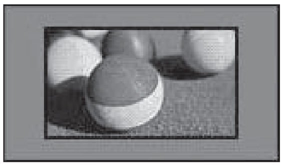
1 Q.MENU < > Select **Aspect Ratio**.

2 OK ∧ ∨ Select the desired picture format.

- You can also adjust **Aspect Ratio** in the **PICTURE** menu.
- For Zoom Setting, select **14:9**, **Zoom** and **Cinema Zoom** in Ratio Menu. After completing Zoom Setting, the display goes back to Q.Menu.

- **16:9**

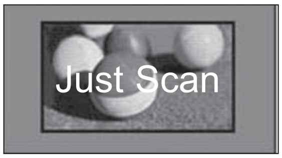
  The following selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen(useful for viewing 4:3 formatted DVDs).



- **Just Scan**

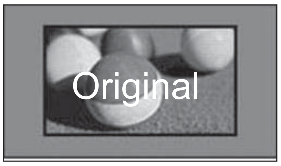
  Following Selection will lead to you view the picture of best quality without loss of original picture in high resolution image.

  Note : If there is noise in original Picture, You can see the noise at the edge.



- **Original**

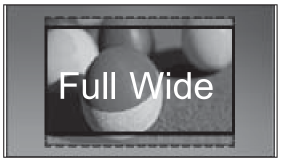
  When your TV receives a wide screen signal it will automatically change to the picture format broadcast.



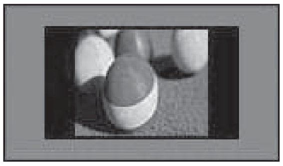
- **Full Wide**

  When TV receives the wide screen signal,it will lead you to adjust the picture horizontally or vertically, in a linear proportion,to fill the entire screen fully.

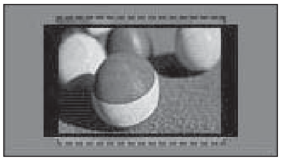
  4:3 and 14:9 video is supported in full screen without any video distortion through DTV input.



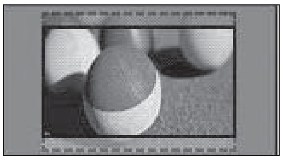
- **4:3**
  The following selection will allow you to view a picture with an original 4:3 aspect ratio.



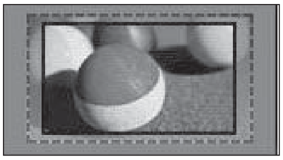
- **14:9**
  You can view a picture format of 14:9 or a general TV programme in the 14:9 mode. The 14:9 screen is viewed in the same way as in 4:3, but is moved to the up and down.



- **Zoom**
  The following selection will allow you to view the picture without any alteration, while filling the entire screen. However, the top and bottom of the picture will be cropped.



- **Cinema Zoom**
  Choose Cinema Zoom when you want to enlarge the picture in correct proportion.
  Note:When enlarging or reducing the picture, the image may become distorted.



◄ or ► button: Adjust enlarge proportion of Cinema Zoom. The adjustment range is 1 to 16.
▼ or ▲ button: Move the screen.

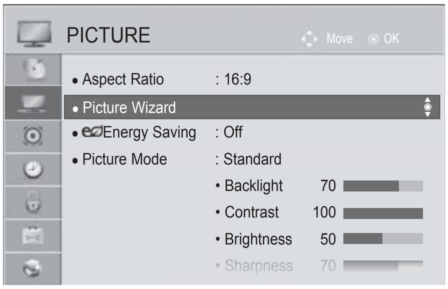
NOTE

- ► You can only select **4:3**, **16:9** (Wide), **14:9**, **Zoom/Cinema Zoom** in Component mode.
- ► You can only select **4:3**, Original, **16:9** (Wide), **14:9**, **Zoom/Cinema Zoom** in HDMI mode.
- ► You can only select **4:3**, **16:9** (Wide) in RGB-PC, HDMI-PC mode only.
- ► In DTV/HDMI/Component (over 720p) mode, **Just Scan** is available.
- ► In Analogue/DTV/AV/Scart mode, Full Wide is available.

PICTURE WIZARD

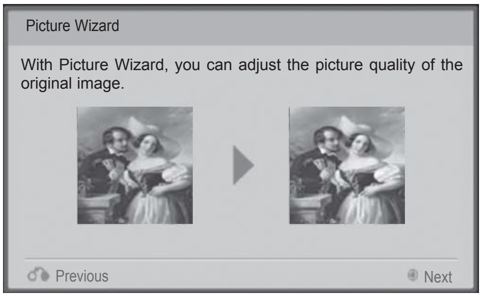
This feature lets you adjust the picture quality of the original image.
Use this to calibrate the screen quality by adjusting the Black and White Level etc. General users can calibrate the screen quality by easily following each stage.
When you adjust the image to Low, Recommended or High, you can see the changed result as an example.

In RGB-PC/HDMI-PC/DVI-PC mode, the changed Colour, Tint and H/V Sharpness values are not applied.



PICTURE

- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70



Picture Wizard

With Picture Wizard, you can adjust the picture quality of the original image.

1 Select **PICTURE**.

2 Select **Picture Wizard**.

3 Adjust **Standard(Black Level, White Level, Tint, Colour, Horizontal Sharpness, Vertical Sharpness, Backlight** (LCD TV/LED LCD TV only)) or **Preferred(Black Level, White Level, Tint, Colour, Sharpness, Dynamic Contrast**, **Colour Temperature**, **Backlight** (LCD TV/LED LCD TV only)).

4 Select input source to apply the settings.

5

- If you stop the setting before the final stage, the changes will not be applied
- The adjustment value is saved to **Expert1**.
- Once the Picture Wizard sets the image quality, the Energy Saving is changed into Off.
- If the picture quality setting of **Expert1** is changed, use the **Picture Reset** before entering the **Picture Wizard** to reset the picture quality setting.
- **Standard** : mode to set standard picture quality.
- **Preferred** : mode to set user preferred picture quality rather than standard picture.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PICTURE CONTROL

ENERGY SAVING

It reduces the TV's power consumption.

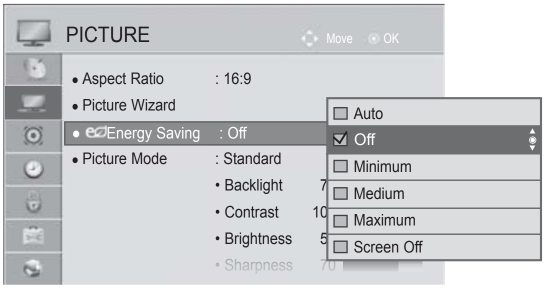
The default factory setting is adjusted to the comfortable level to be viewed at home.

You can increase the brightness of your screen by adjusting the **Energy Saving level** or by setting the **Picture Mode**.

When adjusting Energy Saving in MHEG/MHP mode, the Energy Saving setting is applied after MHEG/MHP is finished.

Selecting '**Screen Off**' while tuned to a radio station channel will reduce power consumption.

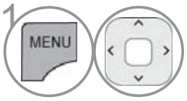
LCD TV/LED LCD TV only



- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 7
  - Contrast 10
  - Brightness 5
  - Sharpness 70

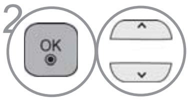
☐ Auto
☑ Off
☐ Minimum
☐ Medium
☐ Maximum
☐ Screen Off

1



Select **PICTURE**.

2

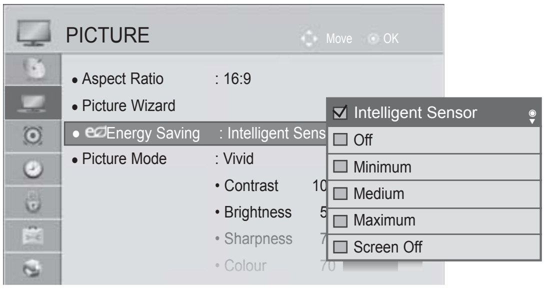


Select **Energy Saving**.

3

Select **Auto**(Except for 32/37/42LD4***), **Off, Minimum , Medium, Maximum** or **Screen Off**.

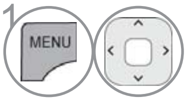
Plasma TV only



- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Intelligent Sens
- Picture Mode : Vivid
  - Contrast 10
  - Brightness 5
  - Sharpness 7
  - Colour 70

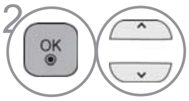
☑ Intelligent Sensor
☐ Off
☐ Minimum
☐ Medium
☐ Maximum
☐ Screen Off

1



Select **PICTURE**.

2



Select **Energy Saving**.

3

Select **Intelligent Sensor, Off, Minimum , Medium, Maximum** or **Screen Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

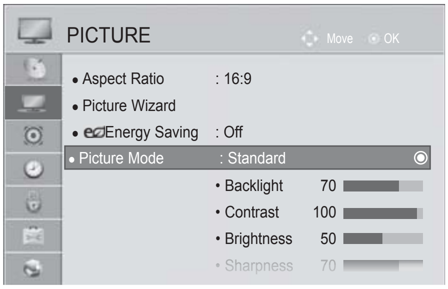
- When you select Screen Off, the screen will be turned off in 3 seconds and Screen Off will start.
- If you adjust "**Energy Saving-Auto**(Except for 32/37/42LD4***), **Maximum**", **Backlight** feature will not work. (LCD TV/LED LCD TV only)
- If you adjust "**Energy Saving-Intelligent Sensor**", **Sharpness, Colour, Colour Temperature** feature will not work. (Plasma TV only)
- You can also adjust this feature by selecting **Energy Saving** button on the remote control.
- When selecting Auto, Backlight is automatically adjusted through intelligent sensor according to the surrounding condition when intelligent sensor is in the TV. (LCD TV/LED LCD TV only)(Except for 32/37/42LD4***)

PRESET PICTURE SETTINGS

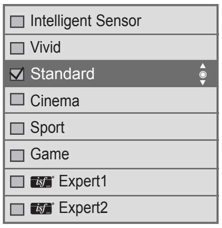
Picture Mode-Preset

Vivid	Strengthen the contrast, brightness, colour and sharpness for vivid picture.
Standard	The most general screen display status.
APS	Optimizes power consumption. (Plasma TV Only)
Cinema or THX **Cinema**	Optimizes video for watching movies.
THX **Bright Room**	This is the specification to optimize TV viewing in Bright Room. (42/47/55LE8***, Plasma TV Only)
Sport	Optimizes video for watching sports events.
Game	Optimizes video for playing games.

LCD TV/LED LCD TV only

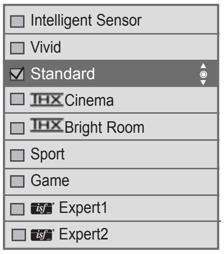


- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
- Backlight 70
- Contrast 100
- Brightness 50
- Sharpness 70



- ☐ Intelligent Sensor
- ☐ Vivid
- ☑ Standard
- ☐ Cinema
- ☐ Sport
- ☐ Game
- ☐ isf Expert1
- ☐ isf Expert2

(Except for 42/47/55LE8*)**

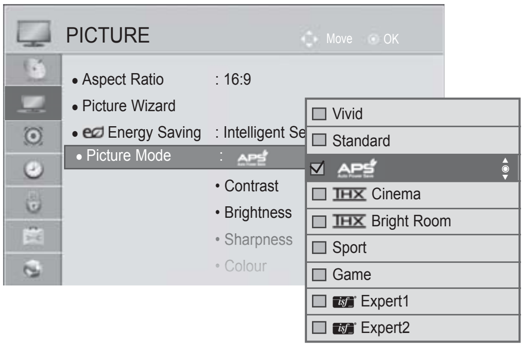


- ☐ Intelligent Sensor
- ☐ Vivid
- ☑ Standard
- ☐ THX Cinema
- ☐ THX Bright Room
- ☐ Sport
- ☐ Game
- ☐ isf Expert1
- ☐ isf Expert2

(only 42/47/55LE8*)**

1. Select **PICTURE**.
2. Select **Picture Mode**.
3. Select **Intelligent Sensor** (Except for 32/37/42LD4***), **Vivid**, **Standard**, **Cinema(Except for 42/47/55LE8***)**, THX **Cinema(Only 42/47/55LE8***)**, THX **Bright Room(Only 42/47/55LE8***)**, **Sport** or **Game**.

Plasma TV only



- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Intelligent Se
- Picture Mode : APS
- Contrast
- Brightness
- Sharpness
- Colour

- ☐ Vivid
- ☐ Standard
- ☑ APS
- ☐ THX Cinema
- ☐ THX Bright Room
- ☐ Sport
- ☐ Game
- ☐ isf Expert1
- ☐ isf Expert2

1. Select **PICTURE**.
2. Select **Picture Mode**.
3. Select **Vivid**, **Standard**, APS, THX **Cinema**, THX **Bright Room**, **Sport** or **Game**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PICTURE CONTROL

- **Picture Mode** adjusts the TV for the best picture appearance. Select the preset value in the **Picture Mode** menu based on the programme category.
- When the Intelligent sensor function is on, the most suitable picture is automatically adjusted according to the surrounding conditions. (Except for 32/37/42LD4***)
- You can also adjust **Picture Mode** in the **Q. Menu**.
- **Intelligent Sensor** : Adjusts picture according to the surrounding conditions. (Except for 32/37/42LD4***)
- APS (Auto Power Saving) : Maximize reducting the power consumption without hurting the picture quality. (Plasma TV Only)
- If you adjust "**Picture Mode-THX Cinema, THX Bright Room**", "**Energy Saving-Intelligent Sensor, Minimum**, **Medium**, **Maximum**" feature will not work. (Plasma TV Only)
- If you adjust "**Picture Mode-THX Cinema, THX Bright Room**", "**Energy Saving-Auto, Minimum**, **Medium**, **Maximum**" feature will not work. (42/47/55LE8*** Only)
- If you adjust "**Picture Mode- APS** ", "**Energy Saving-Off, Minimum**, **Medium**, **Maximum**" feature will not work. (Plasma TV only)

- THX **Cinema**(42/47/55LE8***, Plasma TV Only) :This is cinema quality mode to provide you the experience of watching a movie at home.The user will be able enjoy the best level of satisfactory screen quality in any movie without any separate adjustments.Cinema expresses the optimal screen quality when it is darkest.
  When selecting THX **Cinema**, THX **Bright Room** Aspect ratio changes to Just scan.

- THX **Cinema**(Thomlinson Holman 's Experiment)is the audio and video certification standard of THX established by George Lucas,who directed the movie Star Wars,and Thomlinson.
  This is the product to be certified in THX display area and guarantees screen quality that exceeds the display standard specification in both hardware and software.

MANUAL PICTURE ADJUSTMENT

Picture Mode-User option

Backlight (LCD TV/LED LCD TV only)
To control the brightness of the screen, adjust the brightness of LCD panel.
Adjusting the backlight when setting the brightness of the set is recommended.

Contrast
Adjusts the signal level between black and white in the picture. You may use Contrast when the bright part of the picture is saturated.

Brightness
Adjusts the base level of the signal in the picture.

Sharpness
Adjusts the level of crispness in the edges between the light and dark areas of the picture.
The lower the level, the softer the image.

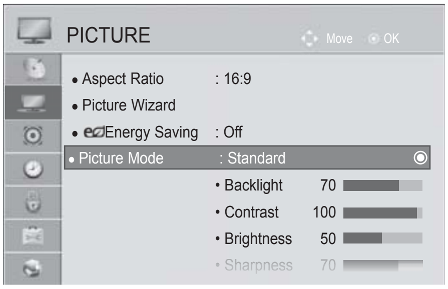
Colour
Adjusts intensity of all colours.

Tint
Adjusts the balance between red and green levels.

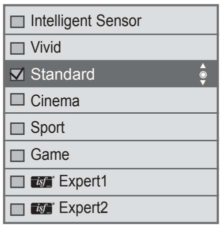
Colour Temp.
Adjust to left direction to make a picture reddish or adjust to right direction to make a picture bluish.

It is not available to use this function in “**Intelligent Sensor**”. (Except for 32/37/42LD4***)

LCD TV/LED LCD TV only

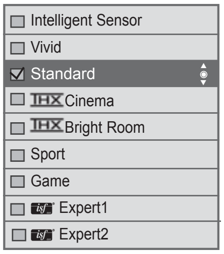


PICTURE
- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Off
- Picture Mode : Standard
  - Backlight 70
  - Contrast 100
  - Brightness 50
  - Sharpness 70



☐ Intelligent Sensor
☐ Vivid
☑ Standard
☐ Cinema
☐ Sport
☐ Game
☐ Expert1
☐ Expert2

(Except for 42/47/55LE8*)**

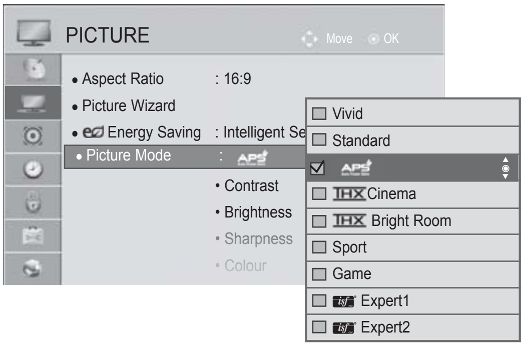


☐ Intelligent Sensor
☐ Vivid
☑ Standard
☐ THX Cinema
☐ THX Bright Room
☐ Sport
☐ Game
☐ Expert1
☐ Expert2

(only 42/47/55LE8*)**

1. Select **PICTURE**.
2. Select **Picture Mode**.
3. Select **Vivid**, **Standard**, **Cinema(Except for 42/47/55LE8***)**, **Sport** or **Game**.
4. Select **Backlight**, **Contrast**, **Brightness**, **Sharpness**, **Colour**, **Tint** or **Colour Temp.**.
5. Make appropriate adjustments.

Plasma TV only



PICTURE
- Aspect Ratio : 16:9
- Picture Wizard
- Energy Saving : Intelligent Se
- Picture Mode : APS
  - Contrast
  - Brightness
  - Sharpness
  - Colour

☐ Vivid
☐ Standard
☑ APS
☐ THX Cinema
☐ THX Bright Room
☐ Sport
☐ Game
☐ Expert1
☐ Expert2

1. Select **PICTURE**.
2. Select **Picture Mode**.
3. Select **Vivid**, **Standard**, **Sport** or **Game**.
4. Select **Contrast**, **Brightness**, **Sharpness**, **Colour**, **Tint** or **Colour Temp.**.
5. Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PICTURE CONTROL

- **Benefits of using Backlight**

(LCD TV/LED LCD TV only)

- The electricity consumption is reduced by up to 60 %.
- The black brightness is reduced. (As the black has greater depth, you can enjoy a better quality definition.)
- You can adjust brightness with maintaining original signal resolution.

NOTE

► You cannot adjust colour, sharpness and tint in the RGB-PC/HDMI-PC mode.

► When the **Expert 1/2** is selected, you can select **Backlight**, **Contrast**, **Brightness**, **H Sharpness, V Sharpness**, **Colour** or **Tint.**

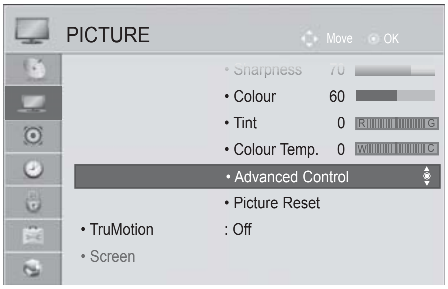
PICTURE IMPROVEMENT TECHNOLOGY

You can calibrate the screen for each Picture Mode or set the video value according to the special video screen.

You can set the video value differently for each input.

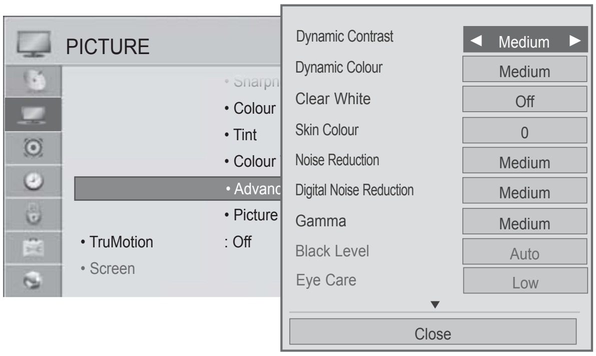
To reset to the factory default screen after making adjustments to each video mode, execute the “Picture Reset” function for each Picture Mode.

Image shown may differ from your TV.

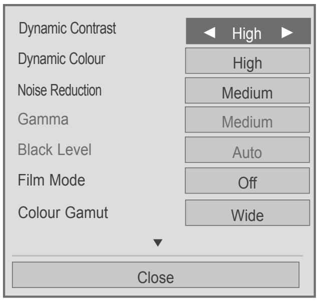


PICTURE

- Sharpness 70
- Colour 60
- Tint 0
- Colour Temp. 0
- Advanced Control
- Picture Reset
- TruMotion : Off
- Screen



Dynamic Contrast ◀ Medium ▶
Dynamic Colour Medium
Clear White Off
Skin Colour 0
Noise Reduction Medium
Digital Noise Reduction Medium
Gamma Medium
Black Level Auto
Eye Care Low



Dynamic Contrast ◀ High ▶
Dynamic Colour High
Noise Reduction Medium
Gamma Medium
Black Level Auto
Film Mode Off
Colour Gamut Wide

LCD TV/LED LCD TV only **Plasma TV only**

---

1 Select **PICTURE**.

2 Select **Advanced Control**.

3 Select your desired Source.:
Dynamic Contrast, **Dynamic Colour**, **Clear White**(LCD TV/LED LCD TV only), **Skin Colour** (LCD TV/LED LCD TV only), **Noise Reduction**, **Digital Noise Reduction** (LCD TV/LED LCD TV only), **Gamma**, **Black Level**, **Eye Care** (LCD TV/LED LCD TV only), **Real Cinema** (LCD TV/LED LCD TV only), **Film Mode**(Plasma TV only), **Colour Gamut**, **Edge Enhancer** (Plasma TV only) or **xvYCC.** (Refer to p. 145 to 146)

4 Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

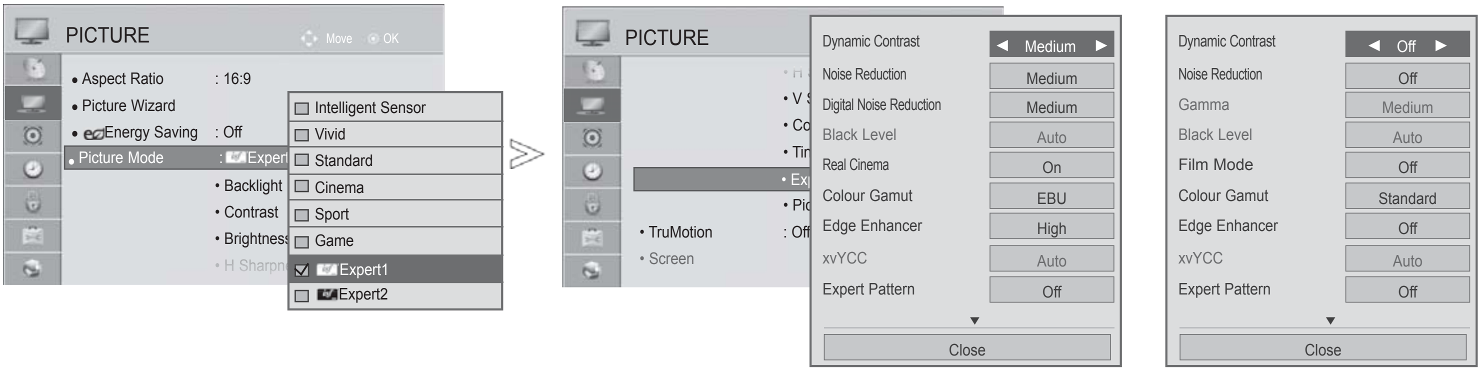
PICTURE CONTROL

EXPERT PICTURE CONTROL

By segmenting categories, **Expert1** and **Expert2** provide more categories which users can set as they see fit, offering the optimal picture quality for users.

This may also be used to help a professional optimize the TV performance using specific videos.

Image shown may differ from your TV.



PICTURE
Move OK
• Aspect Ratio : 16:9
• Picture Wizard
• Energy Saving : Off
• Picture Mode : Expert1
• Backlight
• Contrast
• Brightness
• H Sharpness

☐ Intelligent Sensor
☐ Vivid
☐ Standard
☐ Cinema
☐ Sport
☐ Game
☑ Expert1
☐ Expert2

PICTURE
• TruMotion : Off
• Screen

Dynamic Contrast ◄ Medium ►
Noise Reduction Medium
Digital Noise Reduction Medium
Black Level Auto
Real Cinema On
Colour Gamut EBU
Edge Enhancer High
xvYCC Auto
Expert Pattern Off
Close

LCD TV/LED LCD TV only

Dynamic Contrast ◄ Off ►
Noise Reduction Off
Gamma Medium
Black Level Auto
Film Mode Off
Colour Gamut Standard
Edge Enhancer Off
xvYCC Auto
Expert Pattern Off
Close

Plasma TV only

---

1 Select **PICTURE**.

2 Select **Picture Mode**.

3 Select **Expert1** or **Expert2**.

4 Select **Expert Control**.

5 Select your desired Source.

6 Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

*This feature is not available for all models.

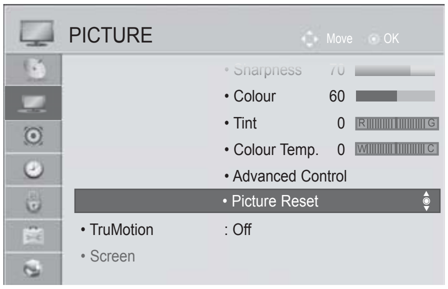
Dynamic Contrast (Off/Low/Medium(LCD TV/LED LCD TV only)/ High)	■ Adjusts the contrast to keep it at the best level according to the brightness of the screen. The picture is improved by making bright parts brighter and dark parts darker.
Dynamic Colour (Off/Low/ Medium(Plasma TV only) /High)	■ Adjusts screen colours so that they look livelier, richer and clearer. This feature enhances hue, saturation and luminance so that red, blue, green and white look more vivid.
Skin Colour (-5 to 5)	■ Adjusts skin colour of the picture so that user can set his favourite skin colour.
Noise Reduction (Off/Low/Medium/High/ Auto(In Analogue Mode Only))	■ Reduces screen noise without compromising video quality.
Digital Noise Reduction (Low/Medium/High/Off)	■ Reduces noise regarding MPEG compressed video.
Gamma (Advanced Control: Low/Medium/High Expert Control: 1.9/2.2/2.4)	■ You can adjust brightness of dark area and middle gray level area of the picture. • **Low/1.9** : Makes dark and middle gray level area of the picture brighter. • **Medium/2.2** : Expresses original picture levels. • **High/2.4**: Makes dark and middle gray level area of the picture darker. ■ When **Antenna** is used as input signal, it is set to **Medium** and deactivated. (Plasma TV only)
Black Level (Low/High/Auto)	• **Low** : The picture of the screen gets darker. • **High** : The picture of the screen gets brighter. • **Auto** : Sets black level of the screen to High or Low automatically according to the input signal level. ■ This function enables to select 'Low' or 'High' in the following mode: AV(NTSC-M), HDMI or Component. Otherwise, 'Black level' is set to 'Auto'.
Clear White (Off/Low/High)	■ Makes the white area of the screen brighter and clearer.
Eye Care (Low/High/Off)	*This feature is not available for all models. ■ Adjusts the brightness of the screen automatically to the best level for eyes when the screen is too bright. ■ This feature is disable in “**Picture Mode-Vivid**, **Cinema**, **Expert1, Expert2, Intelligent Sensor** (Except for 32/37/42LD4***)”.
Real Cinema(LCD TV/ LED LCD TV only)/ Film Mode (Plasma TV only) (On/Off)	■ You can watch a cinema-like video by eliminating judder effect. ■ Uses this function when you watch film-originated movie contents. ■ This function can work when TruMotion is off.

PICTURE CONTROL

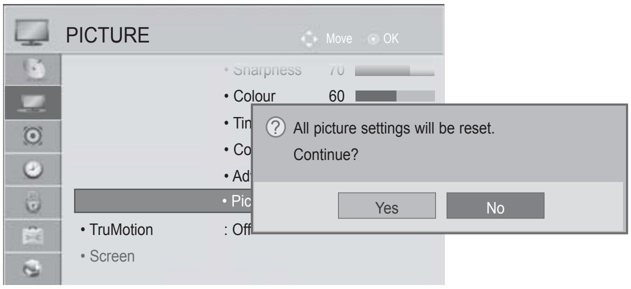
Colour Gamut (LCD TV/LED LCD TV : Advanced Control & Plasma TV : Advanced Control/ Expert Control) (Wide/Standard)	• **Standard** : Mode to use original colour area regardless of the display characteristics. • **Wide:** Mode to use maximum colour area of the TV display.
Colour Gamut (LCD TV/LED LCD TV : Expert Control) (EBU/SMPTE/BT709/ Wide/Standard)	• **Standard** : Mode to use original colour area regardless of the display characteristics. • **Wide** : Mode to use maximum colour area of the TV display. • **EBU** : Mode to display EBU colour area. • **SMPTE** : Mode to display SMPTE colour area. • **BT709** : Mode to display BT709 colour area.
Edge Enhancer (LCD TV/LED LCD TV :Off/Low/High Plasma TV:On/Off)	■ Makes the edge of the picture clearer and distinctive. ■ This function can use in “Picture Mode-Expert.” (LCD TV/LED LCD TV only)
xvYCC (Auto/off/on)	*This feature is not available for all models. ■ This is the function to express richer colour. ■ This function is enabled in "Picture mode - Cinema, Expert" when xvYCC signal is inputted through HDMI
Expert Pattern (Off/Pattern1/Pattern2)	■ This is the pattern necessary for checking the picture of Digital TV. ■ This function is enabled in "Picture Mode - Expert" when you watch DTV.
Colour Filter (Off/Red/Green/Blue)	■ This is the function to filter the specific colours of the video. You can use the RGB filter to set colour saturation and hue accurately.
Colour Temperature (Medium/Warm/Cool)	This is the function to adjust the overall colour of the screen to the feeling you want. a. • Method : 2 Points • Pattern: Inner, Outer • Red/Green/Blue Contrast, Red/Green/Blue Brightness: The adjustment range is -50 to +50. b. • Method : 10 point IRE(LCD TV/LED LCD TV), 20 Point IRE(Plasma TV) • Pattern: Inner / Outer • IRE (Institute of Radio Engineers) is the unit to display the size of the video signal and can be set among 10, 20, 30 to 100(LCD TV/LED LCD TV), 5, 10, 15 to 100(Plasma TV). You can adjust Red, Green or Blue according to each setting. • Luminance: This function displays calculated luminance value for 2.2 gamma. You can input luminance value you want at 100 IRE, than the target luminance value for 2.2 gamma is displayed at every 10 steps from 10 IRE to 90 IRE. (LCD TV/LED LCD TV) • Red/Green/Blue: The adjustment range is -50 to +50.
Colour Management System	■ As the tool used by the experts to make adjustments by using the test patterns, this does not affect other colours but can be used to selectively adjust the 6 colour areas (Red/Green/Blue/Cyan/Magenta/Yellow). Colour difference may not be distinctive even when you make the adjustments for the general video. ■ Adjusts Red/Green/Blue/Yellow/Cyan/Magenta. • Red/Green/Blue/Yellow/Cyan, Magenta Colour : The adjustment range is -30 to +30. • Red/Green/Blue/Yellow/Cyan/Magenta Tint : The adjustment range is -30 to +30. ■ This feature is disable in RGB-PC and HDMI (PC) mode.

PICTURE RESET

Settings of the selected picture modes return to the default factory settings.



- Sharpness 70
- Colour 60
- Tint 0
- Colour Temp. 0
- Advanced Control
- Picture Reset
- TruMotion : Off
- Screen



All picture settings will be reset.
Continue?

---

1 Select **PICTURE**.

2 Select **Picture Reset**.

3 Select **Yes**.

4 Initialize the adjusted value.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

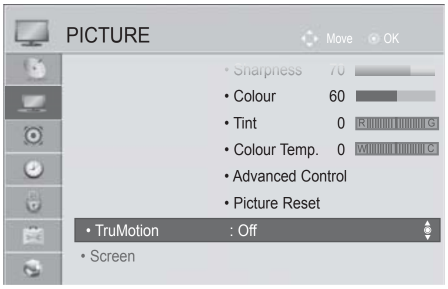
TRUMOTION

(LCD TV/LED LCD TV ONLY)

It is used for the best picture quality without any motion blur or judder when you enter a quick image or Film Source.

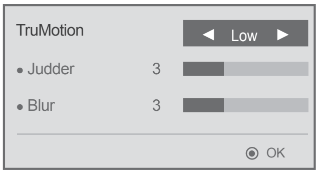
High : Provide smoother picture movement.
Low : Provide smooth picture movement. Use this setting for standard use.
Off : Turn off TruMotion Operation.
User : User can adjust **Judder** and **Blur** level in TruMotion Operation, separately.
 - Judder : Adjust noise of the screen.
 - Blur : Adjust after-image of the screen.

This feature is disable in RGB-PC,HDMI-PC mode.
If you enable "TruMotion", noise may appear on the screen.
If this occurs, set "TruMotion" to "Off".
If you select “**Picture Mode-Game** ”, set “**TruMotion**" to "**Off**".

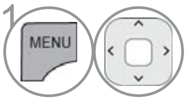


PICTURE

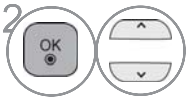
• Sharpness 70
• Colour 60
• Tint 0
• Colour Temp. 0
• Advanced Control
• Picture Reset
• TruMotion : Off
• Screen



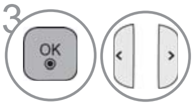
TruMotion ◄ Low ►
• Judder 3
• Blur 3



1 Select **PICTURE**.



2 Select **TruMotion**.



3 Select **Low, High, User** or **Off**.

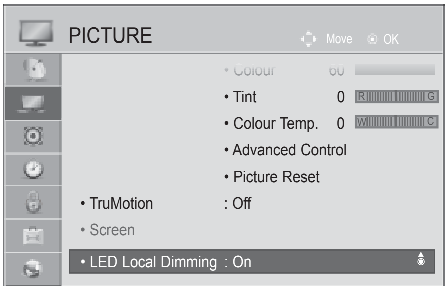
4 Make appropriate adjustments.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

LED LOCAL DIMMING

(Only 32/37/42LE4***, 42/47/55LE5***, 42/47/55LE75**, 42/47/55LE78**, 42/47/55LE79**, 42/47/55LE8***, 42/47LX6***, 47/55LX9***)

After analyzing the signal of the input video by areas of the screen, it adjusts the backlight to improve the contrast ratio.

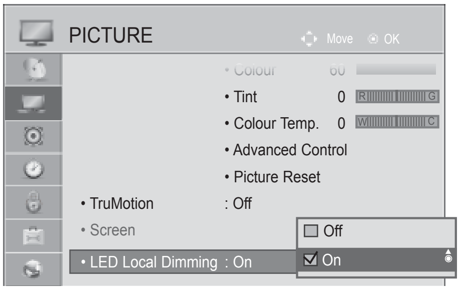

PICTURE
Move
OK
• Colour
60
• Tint
R
G
• Colour Temp.
W
C
• Advanced Control
• Picture Reset
• Screen

• Tint 0

• Colour Temp. 0

• TruMotion : Off

• LED Local Dimming : On


PICTURE
Move
OK
• Colour
60
• Tint
R
G
• Colour Temp.
W
C
• Advanced Control
• Picture Reset
• Screen

• Tint 0

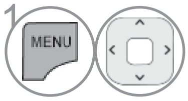
• Colour Temp. 0

• TruMotion : Off

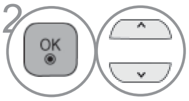
• LED Local Dimming : On

☐ Off

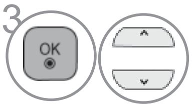
☑ On



Select **PICTURE**.



Select **LED Local Dimming**.



Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

POWER INDICATOR

(LCD TV/LED LCD TV ONLY)

Adjust the power/standby indicator light on the front of the TV.

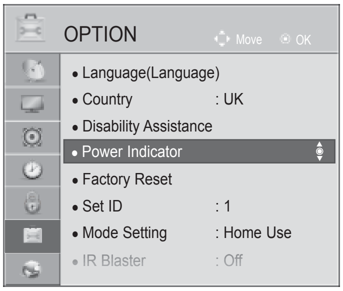
Standby Light

Determines whether to set the indicator light on the front of the TV to **On** or **Off** in standby mode.

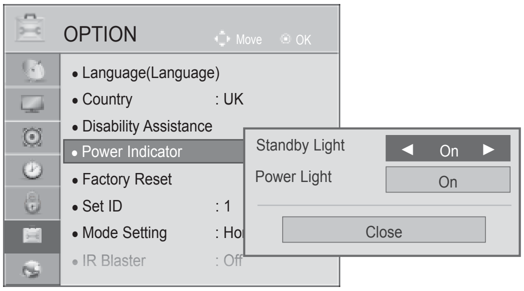
Power Light

Determines whether to set the indicator light on the front of the TV to **On** or **Off** when the power turns on.

If you select 3D mode, **Power indicator** is turned off automatically.



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off



- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Ho
- IR Blaster : Off

Standby Light ◄ On ►

Power Light On

1 Select **OPTION**.

2 Select **Power Indicator**.

3 Select **Standby Light** or **Power Light**.

4 Select your desired Source.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

IMAGE STICKING MINIMIZATION (ISM) METHOD

(PLASMA TV ONLY)

A frozen or still picture displayed on the screen for prolonged periods will result in a ghost image remaining even when you change the image. Avoid allowing a fixed image to remain on the screen for prolonged periods.

White Wash

White wash removes permanent images from the screen.

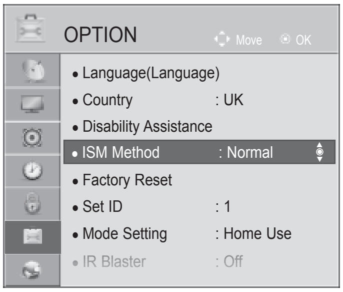
Note: An excessive permanent image may be impossible to clear entirely with White Wash.

Orbiter

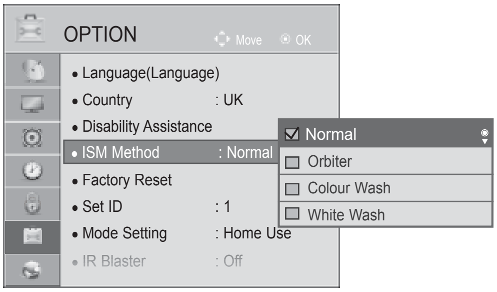
Orbiter may help prevent ghost images. However, it is best not to allow any fixed image to remain on the screen. To avoid a permanent image on the screen, the screen will move every 2 minutes.

Colour Wash

The color block with the screen moved a little and the white pattern are alternately displayed. It is difficult to sense the afterimage occurred while the temporary afterimage is removed and the colour pattern is operating.



OPTION Move OK
- Language(Language)
- Country : UK
- Disability Assistance
- ISM Method : Normal
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off



OPTION Move OK
- Language(Language)
- Country : UK
- Disability Assistance
- ISM Method : Normal
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off

☑ Normal
☐ Orbiter
☐ Colour Wash
☐ White Wash

---

1 Select **OPTION**.

2 Select **ISM Method**.

3 Select **Normal, Orbiter, Colour Wash** or **White Wash.**

4 Save.

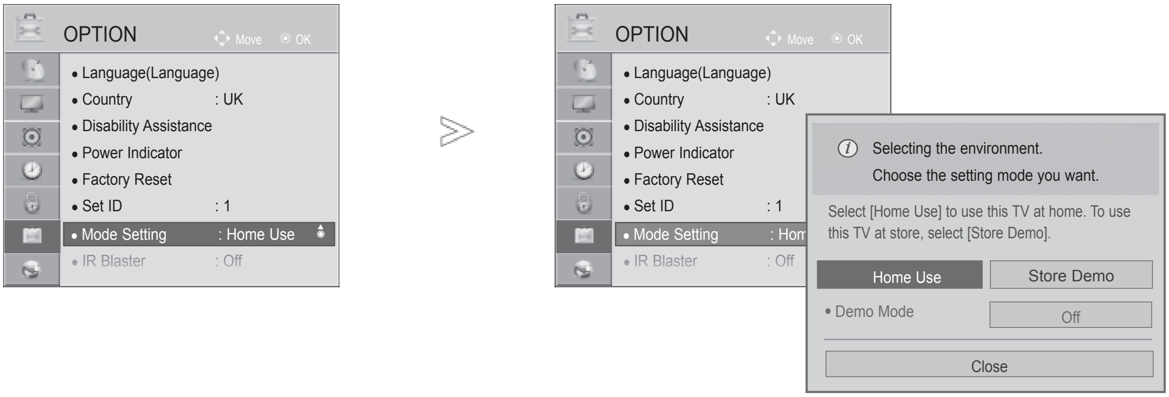
- If you do not need this function, set **Normal.**

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PICTURE CONTROL

MODE SETTING

We recommend setting the TV to “**Home Use** ” mode for the best picture in your home environment.
“**Store Demo** ” mode is an optimal setting for displaying at stores.

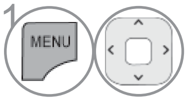

OPTION
Move
OK
Language(Language)
Disability Assistance
Power Indicator
Factory Reset
Home Use
Store Demo
Close

- Country : UK
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off

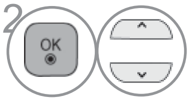
Selecting the environment.
Choose the setting mode you want.

Select [Home Use] to use this TV at home. To use this TV at store, select [Store Demo].

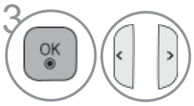
- Demo Mode: Off



Select **OPTION**.



Select **Mode Setting**.



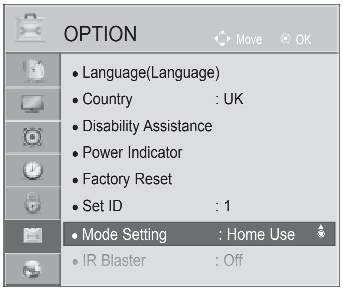
Select **Store Demo** or **Home Use**.

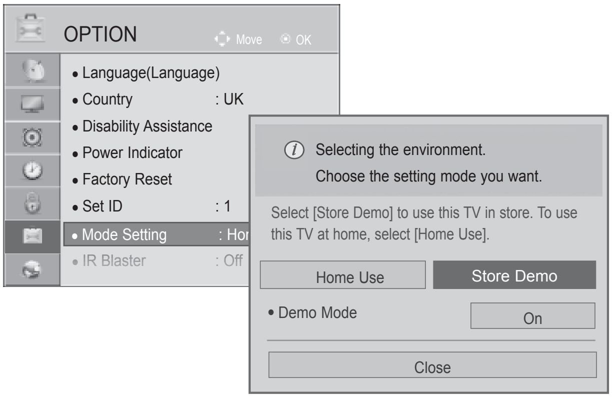
Save.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

DEMO MODE

It is not possible to use **Demo Mode** in **Home Use** mode.
In **Store Demo**, **Demo Mode** is automatically set to **On**.
Once **Demo Mode** is set to **Off** in **Store Demo**, **Demo Mode** does not run and only the screen is reset.
The screen is reset automatically after 5 minutes in **Demo Mode**.

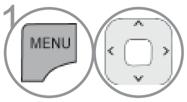

OPTION
Move
OK
• Language(Language)
• Country : UK
• Disability Assistance
• Power Indicator
• Factory Reset
• Set ID : 1
• Mode Setting : Home Use
• IR Blaster : Off


OPTION
Move
OK
• Language(Language)
• Country : UK
• Disability Assistance
• Power Indicator
• Factory Reset
• Set ID : 1
• Mode Setting : Hor
• IR Blaster : Off
Home Use
Store Demo
Close

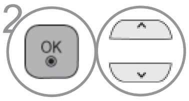
Selecting the environment.
Choose the setting mode you want.

Select [Store Demo] to use this TV in store. To use this TV at home, select [Home Use].

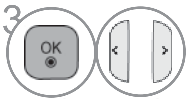
• Demo Mode On



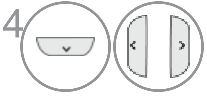
Select **OPTION**.



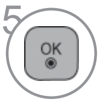
Select **Mode Setting**.



Select **Store Demo**.



Select **On**.



Move to the previous menu screen.
If you want to stop the demo, press any button.
(except for MUTE, ⊿ **+** , **-** button)

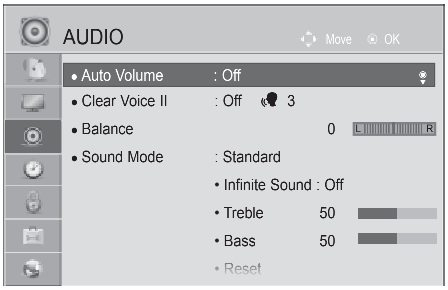
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

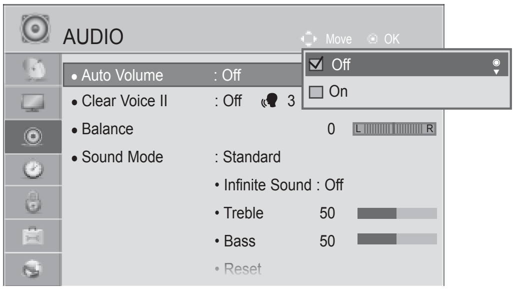
SOUND & LANGUAGE CONTROL

AUTO VOLUME LEVELER

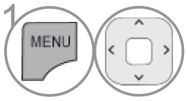
Auto Volume automatically remains on the same level of volume if you change programmes.

Because each broadcasting station has its own signal conditions, volume adjustment may be needed every time the programme is changed. This feature allows users to enjoy stable volume levels by making automatic adjustments for each programme.
If sound quality or volume is not at the level you want, it is recommended to use a separate home theater system or amp to cope with different user environments.

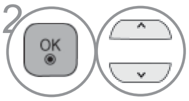

AUDIO
Move OK
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset


AUDIO
Move OK
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset

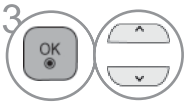
☑ Off
☐ On



1 Select **AUDIO**.



2 Select **Auto Volume**.

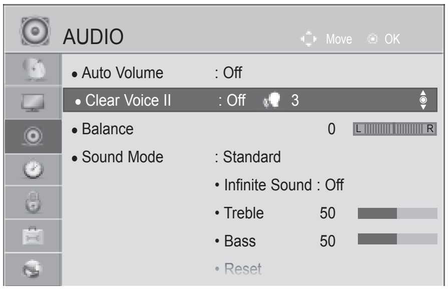


3 Select **On** or **Off**.

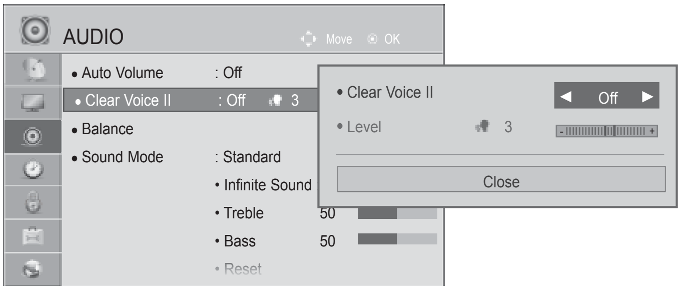
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

CLEAR VOICE II

By differentiating the human sound range from others, it helps users listen to human voices better.

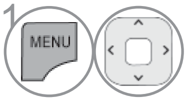

AUDIO

- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset

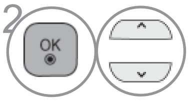

AUDIO

- Auto Volume : Off
- Clear Voice II : Off 3
- Balance
- Sound Mode : Standard
  - Infinite Sound
  - Treble 50
  - Bass 50
  - Reset

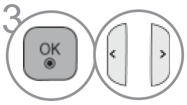
- Clear Voice II ◄ Off ►
- Level 3



Select **AUDIO**.



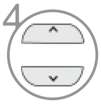
Select **Clear Voice II**.



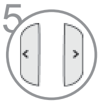
Select **On** or **Off**.

- If you select “**On**” for **Clear Voice II**, **Infinite Sound** feature will not work.
- Select levels from ‘-6’ to ’+6’.

Adjustment for Clear Voice Level With selecting On



Select **Level**.



Make desired adjustment.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SOUND & LANGUAGE CONTROL

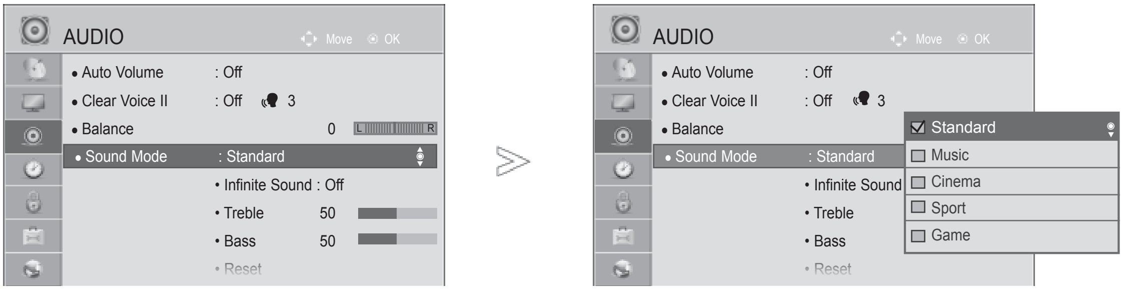
PRESET SOUND SETTINGS-SOUND MODE

You can select your preferred sound setting; Standard, Music, Cinema, Sport or Game and you can also adjust the Treble, Bass.

Sound Mode lets you enjoy the best sound without any Special adjustment as the TV sets the appropriate sound options based on the programme content.

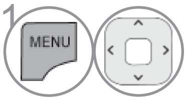
Standard, Music, Cinema, Sport and Game are preset for optimum sound quality at the factory.

Standard	Offers standard-quality sound.
Music	Optimizes sound for listening to music.
Cinema	Optimizes sound for watching movies.
Sport	Optimizes sound for watching sports events.
Game	Optimizes sound for playing games.



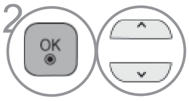
• Auto Volume : Off
• Clear Voice II : Off 3
• Balance 0 L R
• Sound Mode : Standard
• Infinite Sound : Off
• Treble 50
• Bass 50
• Reset

☑ Standard
☐ Music
☐ Cinema
☐ Sport
☐ Game

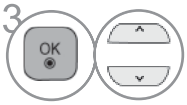


Select **AUDIO**.

- You can also adjust **Sound Mode** in the **Q. Menu**.



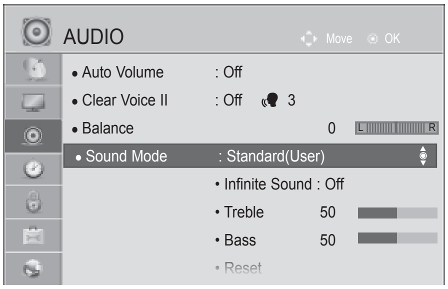
Select **Sound Mode**.

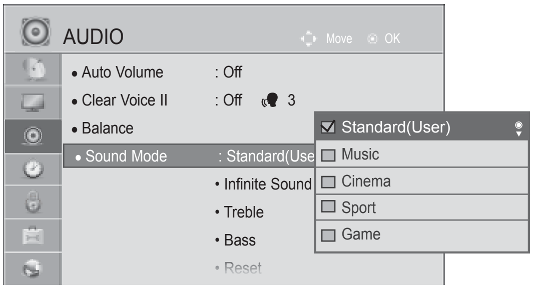


Select **Standard, Music, Cinema, Sport** or **Game**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

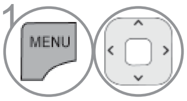
SOUND SETTING ADJUSTMENT -USER MODE


AUDIO
• Auto Volume : Off
• Clear Voice II : Off 3
• Balance 0 L R
• Sound Mode : Standard(User)
• Infinite Sound : Off
• Treble 50
• Bass 50
• Reset


AUDIO
• Auto Volume : Off
• Clear Voice II : Off 3
• Balance
• Sound Mode : Standard(Use
• Infinite Sound
• Treble
• Bass
• Reset

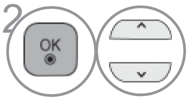
☑ Standard(User)
☐ Music
☐ Cinema
☐ Sport
☐ Game

1



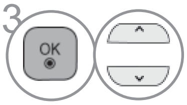
Select **AUDIO**.

2



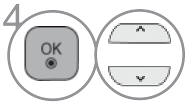
Select **Sound Mode**.

3



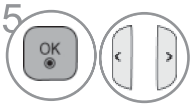
Select **Standard, Music, Cinema, Sport** or **Game**.

4



Select **Treble** or **Bass**.

5



Set the desired sound level.

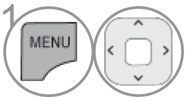
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

INFINITE SOUND

Select this option to sound realistic.

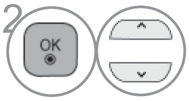
Infinite Sound : Infinite Sound is a patented LG proprietary sound processing technology that strives immersive 5.1 surround sound impression with front two loudspeakers.

1



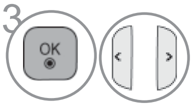
Select **AUDIO**.

2



Select **Infinite Sound**.

3



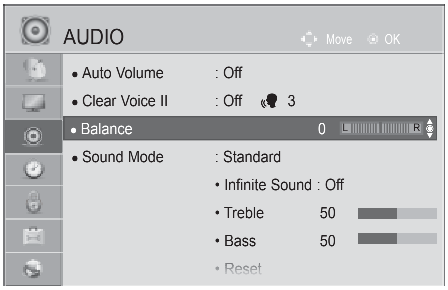
Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

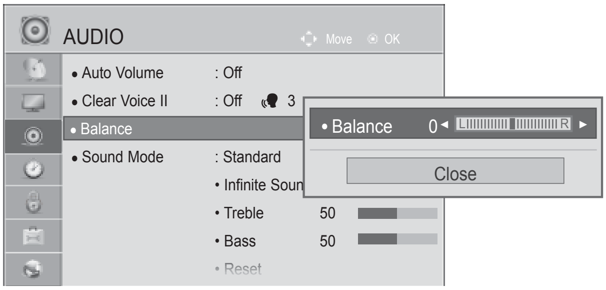
SOUND & LANGUAGE CONTROL

BALANCE

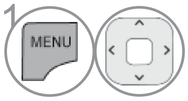
You can adjust the sound balance of the speakers to preferred levels.



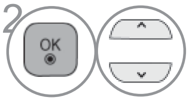
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance 0 L R
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset



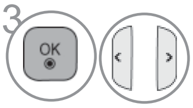
- Auto Volume : Off
- Clear Voice II : Off 3
- Balance
- Sound Mode : Standard
  - Infinite Soun
  - Treble 50
  - Bass 50
  - Reset
- Balance 0 L R



Select **AUDIO**.



Select **Balance**.



Make desired adjustment.

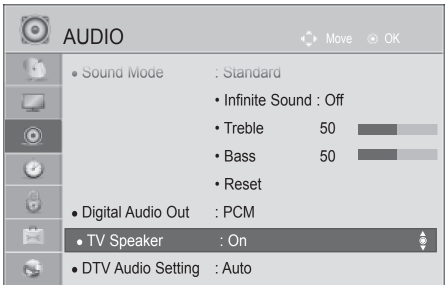
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TV SPEAKERS ON/ OFF SETUP

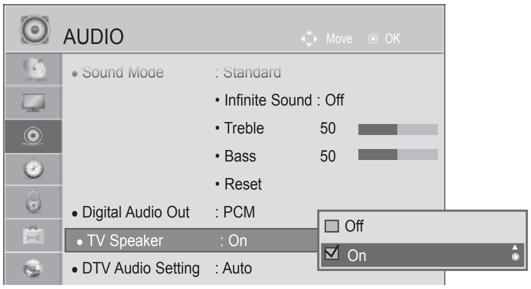
You can adjust the TV internal speaker status.

In **AV**, **COMPONENT**, **RGB** and **HDMI1** with HDMI to DVI cable, the TV speaker can be operational even when there is no video signal.

If you wish to use an external Hi-Fi system, turn off the TV's internal speakers.

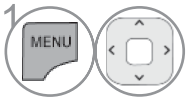


- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto

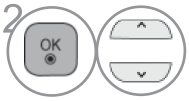


- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto

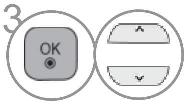
☐ Off
☑ On



Select **AUDIO**.



Select **TV Speaker**.



Select **On** or **Off**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

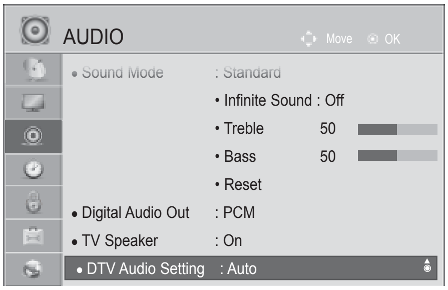
NOTE

▶ When the TV speaker is turned off while the Simplink home theater is operating, the sound output automatically switches to the Home theater speaker, but when the TV speaker is turned on, the sound output the TV speaker.

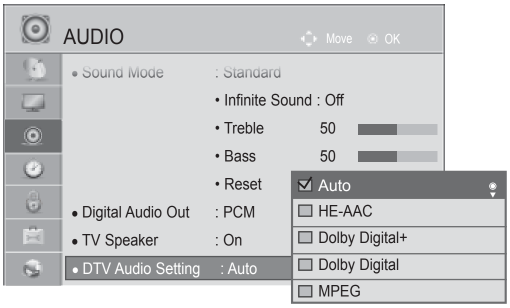
▶ Some menus in **AUDIO** are disabled when TV Speaker is set to Off.

DTV AUDIO SETTING (IN DIGITAL MODE ONLY)

When different audio types exist in an input signal, this function allows you to select the audio type you want.



- Sound Mode : Standard
- Infinite Sound : Off
- Treble 50
- Bass 50
- Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



- Sound Mode : Standard
- Infinite Sound : Off
- Treble 50
- Bass 50
- Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto

☑ Auto
☐ HE-AAC
☐ Dolby Digital+
☐ Dolby Digital
☐ MPEG

1 MENU Select **AUDIO**.

2 OK Select **DTV Audio Setting**.

3 OK Select **Auto, HE-AAC, Dolby Digital +, Dolby Digital** or **MPEG**.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

- **Auto**: Automatically outputs in the order **HE-AAC** > **Dolby Digital+** > **Dolby Digital** > **MPEG**. (Except for Italy)
  Auto: Automatically outputs in the order **HE-AAC** > **Dolby Digital+** > **MPEG** > **Dolby Digital**. (Only Italy)
- **HE-AAC, Dolby Digital +, Dolby Digital, MPEG**: Allows users to select the audio type they want.
  ex) If **MPEG** is selected, **MPEG** is always outputted.
  If MPEG is not supported, another audio type is set in that order.
- Refer to p. 167 to 168 (Audio Language Selection)

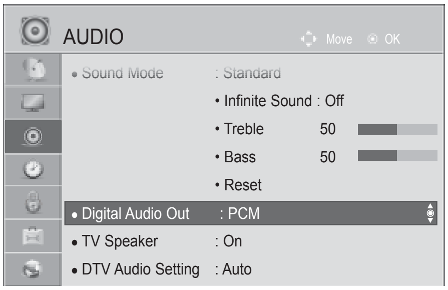
SELECTING DIGITAL AUDIO OUT

This function allows you to select your preferred Digital Audio Output.

When Dolby Digital is available, selecting Auto in the Digital Audio Out menu will set SPDIF(Sony Philips Digital InterFace) output to Dolby Digital.

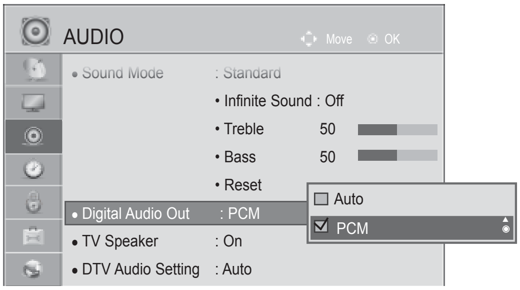
If Auto is selected in the digital audio out menu when Dolby Digital is not available, SPDIF output will be PCM(Pulse-code modulation).

Even if both Dolby Digital and Audio language have been set in a channel which broadcast Dolby Digital Audio, only Dolby Digital will be played.



AUDIO

- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



AUDIO

- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto

☐ Auto
☑ PCM

1 Select **AUDIO**.

2 Select **Digital Audio Out**.

3 Select **Auto** or **PCM**.

DOLBY DIGITAL PLUS

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

- There is a possibility that when HDMI mode, some DVD players do not make SPDIF sound. At that time, set the output of the digital audio of the DVD player to PCM. (In HDMI, Dolby Digital Plus is not supported).

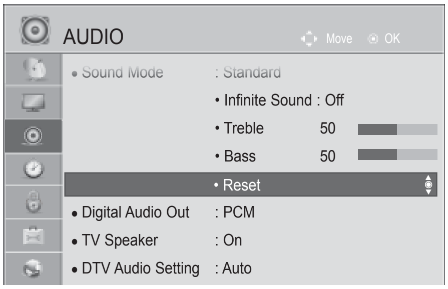
Item	Audio Input	Digital Audio output
Auto(Speaker On)	MPEG Dolby Digital Dolby Digital Plus HE-AAC	PCM Dolby Digital Dolby Digital PCM
Auto(Speaker Off)	MPEG Dolby Digital Dolby Digital Plus HE-AAC	PCM Dolby Digital Dolby Digital Dolby Digital
PCM	All	PCM

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

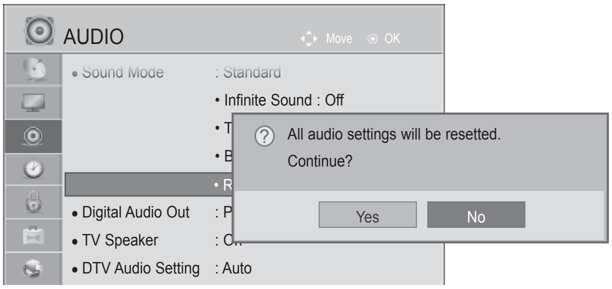
SOUND & LANGUAGE CONTROL

AUDIO RESET

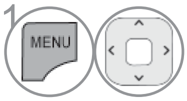
Settings of the selected Sound Mode return to the default factory settings.



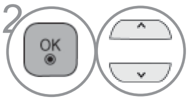
- Sound Mode : Standard
  - Infinite Sound : Off
  - Treble 50
  - Bass 50
  - Reset
- Digital Audio Out : PCM
- TV Speaker : On
- DTV Audio Setting : Auto



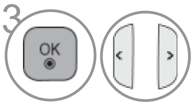
All audio settings will be resetted.
Continue?



Select **AUDIO**.



Select **Reset**.



Select **Yes**.

Initialize the adjusted value.

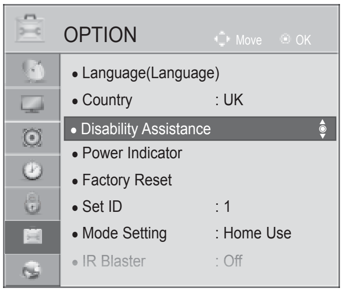
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

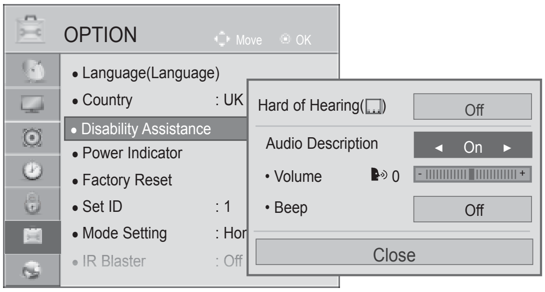
AUDIO DESCRIPTION (IN DIGITAL MODE ONLY)

This function is for the blind, and provides explanatory audio describing the current situation in a TV programme in addition to the basic audio.

When Audio Description On is selected, basic audio and Audio Description are provided only for those programmes that have Audio Description included.

Volume	Changes the Audio Description volume
Beep	Beeps when a programme with Audio Description information is selected


OPTION
- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Home Use
- IR Blaster : Off


OPTION
- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID : 1
- Mode Setting : Hor
- IR Blaster : Off

Hard of Hearing( ) Off
Audio Description ◄ On ►
- Volume 0
- Beep Off

1 Select **OPTION**.

2 Select **Disability Assistance**.

3 Select **Audio Description**.

Adjustment for Audio Description Volume With selecting On

4 Select **Volume** or **Beep**.

5 Make desired adjustment.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

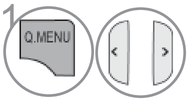
SOUND & LANGUAGE CONTROL

I/II

STEREO/DUAL RECEPTION (IN ANALOGUE MODE ONLY)

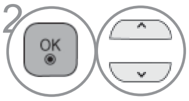
When a programme is selected, the sound information for the station appears with the programme number and station name.

1



Select **Audio** or **Audio Language**.

2



Select the sound output.

Broadcast	On Screen Display
Mono	MONO
Stereo	STEREO
Dual	DUAL I, DUAL II, DUAL I+II

- **Mono sound selection**
  If the stereo signal is weak in stereo reception, you can switch to mono. In mono reception, the clarity of sound is improved.

- **Language selection for dual language broadcast**
  If a programme can be received in two languages (dual language), you can switch to DUAL I, DUAL II or DUAL I+II.

DUAL I	Sends the primary broadcast language to the loudspeakers.
DUAL II	Sends the secondary broadcast language to the loudspeakers.
DUAL I+II	Sends a separate language to each loudspeaker.

NICAM RECEPTION (IN ANALOGUE MODE ONLY)

If the TV is equipped with a receiver for NICAM reception, high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.

Sound output can be selected according to the type of broadcast received.

1. When **NICAM mono** is received, you can select **NICAM MONO** or **FM MONO**.
2. When **NICAM stereo** is received, you can select **NICAM STEREO** or **FM MONO**.
   If the stereo signal is weak, switch to **FM MONO**.
3. When **NICAM dual** is received, you can select **NICAM DUAL I**, **NICAM DUAL II** or **NICAM DUAL I+II** or **FM MONO**.

SPEAKER SOUND OUTPUT SELECTION

In AV, Component, RGB and HDMI mode, you can select output sound for the left and right loudspeakers.

Select the sound output.

L+R: Audio signal from audio L input is sent to the left loudspeaker and audio signal from audio R input is sent to the right loudspeaker.
L+L: Audio signal from audio L input is sent to left and right loudspeakers.
R+R: Audio signal from audio R input is sent to left and right loudspeakers.

SOUND & LANGUAGE CONTROL

ON-SCREEN MENU LANGUAGE / COUNTRY SELECTION

The installation guide menu appears on the TV screen when it is switched on for the first time.

1. Select your desired language.
2. Select your country. (Except for 32/37/42LE49**, 32/37/42/47/55LE59**, 42/47LE7390, 32/37/42/47/55LE79**, 42/47/55LE89**, 32/37/42LD49**, 32/37/42/47/55LD69**, 32/42/47LD79**, 32/37/42LD89**, 42/47LX69**, 50/60PK59*, 50/60PK79**, 50/60PK99**, 50/60PX99**)

* If you want to change Language/ Country selection

1. Select **OPTION**.
2. Select **Language(Language)**.
3. Select **Menu Language**.
4. Select your desired language.
5. Save.

1. Select **OPTION**.
2. Select **Country**.
3. Select your country.
4. Select **Yes** or **No**.
5. Save.

(Except for 32/37/42LE49**, 32/37/42/47/55LE59**, 42/47LE7390, 32/37/42/47/55LE79**, 42/47/55LE89**, 32/37/42LD49**, 32/37/42/47/55LD69**, 32/42/47LD79**, 32/37/42LD89**, 42/47LX69**, 50/60PK59*, 50/60PK79**, 50/60PK99**, 50/60PX99**)

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

NOTE

- ▶ If you do not finish the set-up **Installation Guide** by pressing **BACK** or if you time out on the OSD (On Screen Display) the installation menu will continuously appear until the set up is completed whenever the TV is switched on.
- ▶ If you select the wrong local country, teletext may not appear correctly on the screen and some problems may occur during teletext operation.
- ▶ The CI (Common Interface) function may not be applied based on country broadcasting circumstances.
- ▶ DTV mode control buttons may not function based on country broadcasting circumstances.
- ▶ In country that Digital broadcasting regulation isn’t fixed, some DTV function may not work depending on digital broadcasting circumstances.
- ▶ The Country Setting "UK" should only be activated in UK.
- ▶ If the country setting is set to "--", European terrestrial digital standard broadcasting programmes are available, but some DTV functions may not work properly.

LANGUAGE SELECTION

The Audio function allows selection of a preferred language.
If audio data in a selected language is not broadcast, the default language audio will be played.

Use the Subtitle function when two or more subtitle languages are broadcast. If subtitle data in a selected language is not broadcast, the default language subtitle will be displayed.

When the languages you selected as the primary for Audio Language and Subtitle Language and Text Language are not supported, you can select language in secondary category.

In Digital mode, use the Text language function when two or more Text languages are broadcast. If teletext data in a selected language is not broadcast, the default Text language page will be displayed.

1 Select **OPTION**.

2 Select **Language(Language)**.

3 Select **Audio Language**, **Subtitle Language** or **Text Language**(Except for UK).

4 Select your desired language.

5 Save.

1 Select **OPTION**.

2 Select **Disability Assistance**.

3 Select **Hard of Hearing(□)**.

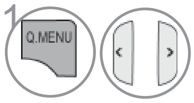
4 Select **On** or **Off**.

- Press the **BACK** button to move to the previous menu screen.

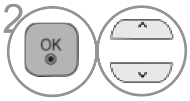
SOUND & LANGUAGE CONTROL

< Audio Language Selection >

▶ When two or more audio languages are broadcast, you can select the audio language.



1 Select **Audio** or **Audio Language**.



2 Select an audio language.

Audio Language OSD Information

Display	Status
N.A	Not Available
MPEG	MPEG Audio
D	Dolby Digital Audio
	Audio for “Visual Impaired”
ABC	Audio for “Hearing Impaired”
D+	Dolby Digital Plus Audio
HE-AAC	HE-AAC Audio

< Subtitle Language Selection >

▶ When two or more subtitle languages are broadcast, you can select the subtitle language with the **SUBTITLE** button on the remote control.

▶ Press the ^ ⌄ button to select a subtitle language.

Subtitle Language OSD Information

Display	Status
N.A	Not Available
TXT	Teletext Subtitle
ABC	Subtitle for “Hard of Hearing”

- The audio/subtitles can be displayed in a simpler form with 1 to 3 characters broadcast by the service provider.
- When you select supplementary Audio (Audio for “Visual/Hearing Impaired”) the TV may output a part of the Main audio.

TIME SETTING

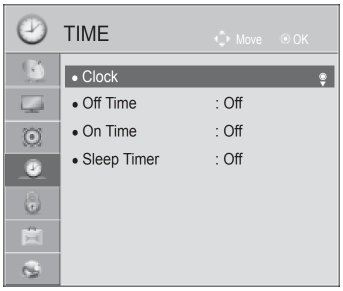
CLOCK SETUP

The clock is set automatically when receiving a digital signal in **Auto** mode. You can set the clock manually in **Manual** mode.
You must set the time correctly before using on/off timer function.

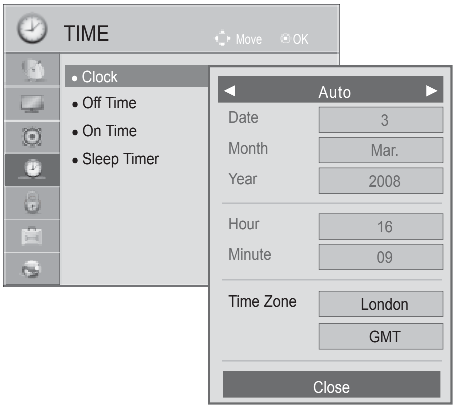
The TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.

When if the city name in **Time Zone** is changed into offset, you can change time by 1 hour.

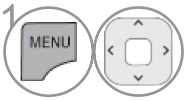
Time Zone menu can be changed in **Auto** mode.



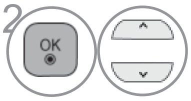
• Clock
• Off Time : Off
• On Time : Off
• Sleep Timer : Off



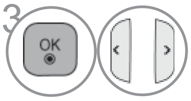
Auto
Date 3
Month Mar.
Year 2008
Hour 16
Minute 09
Time Zone London
GMT

1 

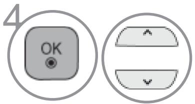
Select **TIME**.

2 

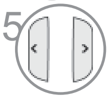
Select **Clock**.

3 

Select **Auto** or **Manual**.

4 

Select either the year, month, date, time or Time Zone option.

5 
Set the year, month, date, time or Time Zone option.

Time Zone
Magadan, Kamchatka
Vladivostok
Yakutsk
Irkutsk
Krasnoyarsk
Omsk
Yekaterinburg
Moscow, Samara
Kaliningrad

This Table means the Time Zone table of 9 area of Russia, and when the user selects the Time Zone for his or her area, it automatically sets the time for the corresponding area.

However, even though the user selected his or her area, if the broadcasting station’s local time offset is not offered, or if the region information does not match, then the user may select the Offset from the Time Zone to set the correct time.

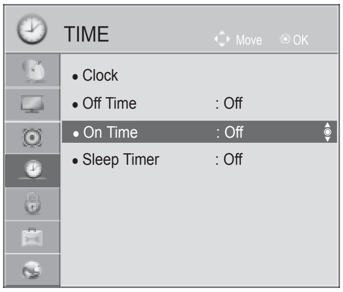
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TIME SETTING

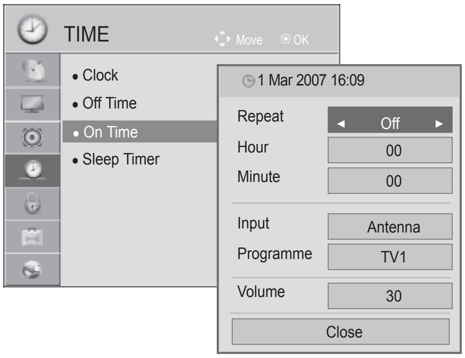
AUTO ON/OFF TIME SETTING

The Off time function automatically switches the TV to standby at a preset time.
Two hours after the TV is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

The Off time function overrides the On time function if both are set to the same time.
The TV must be in standby mode for the On time to work.



- Clock
- Off Time : Off
- On Time : Off
- Sleep Timer : Off



1 Mar 2007 16:09

Repeat	Off
Hour	00
Minute	00
Input	Antenna
Programme	TV1
Volume	30

1 Select **TIME**.

2 Select **Off Time** or **On Time**.

3 Select **Repeat**.

4 Select **Off**, **Once**, **Daily**, **Mon. ~ Fri.**, **Mon. ~ Sat.**, **Sat. ~ Sun.** or **Sun.**.

5 Set the hour.

6 Set the minutes.

- To cancel **On/Off Time** function, select **Off**.
- For On Time function only

1 Select **Input**.

2 Select the input source.

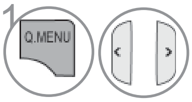
3 Set the programme.

4 Adjust volume level at switch-on.

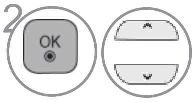
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

SLEEP TIMER SETTING

You do not have to remember to switch the TV off before you go to sleep.
The sleep timer automatically switches the TV to standby after the preset time has elapsed.

1


Select **Sleep Timer**.

2


Select **Off**, **10**, **20**, **30**, **60**, **90**, **120**, **180** or **240 min**.

- When you switch the TV off, the preset sleep timer is cancelled.

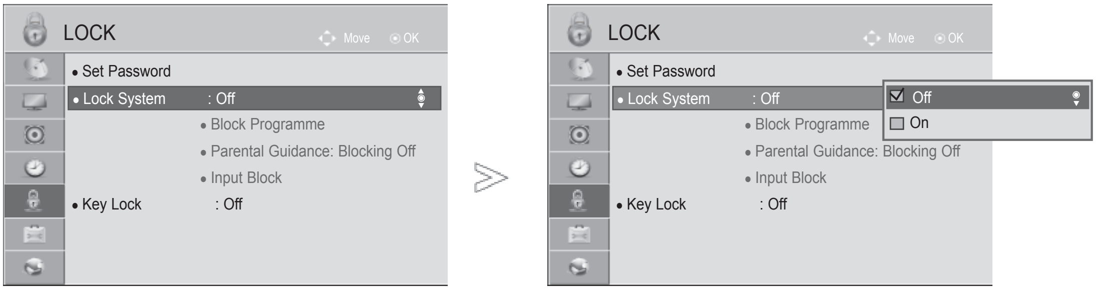
- You can also adjust **Sleep Timer** in the **TIME** menu.

PARENTAL CONTROL / RATINGS

SET PASSWORD & LOCK SYSTEM

Enter the password, press ‘0’, ‘0’, ‘0’, ‘0’ on the remote control handset.
When France is selected for Country, password is not ‘0’, ‘0’, ‘0’, ‘0’ but ‘1’,’2’,’3’,’4’.
When France is selected for Country, password cannot be set as ‘0’, ‘0’, ‘0’, ‘0’.

If a channel is locked, enter the password to unlock it temporarily.

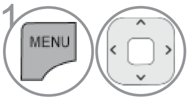


LOCK
Move OK
- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

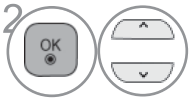
LOCK
Move OK
- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

☑ Off
☐ On

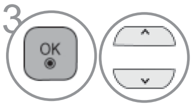
---

1 

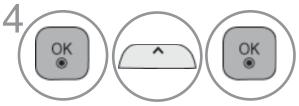
Select **LOCK**.

2 

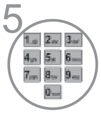
Select **Lock System**.

3 

Select **On**.

4 

Set the password.

5 

Input a 4-digit password.
Be sure to remember this number!
Re-enter new password for confirm.

- If you forget your password, press ‘0’, ‘3’, ‘2’, ‘5’ on the remote control handset.

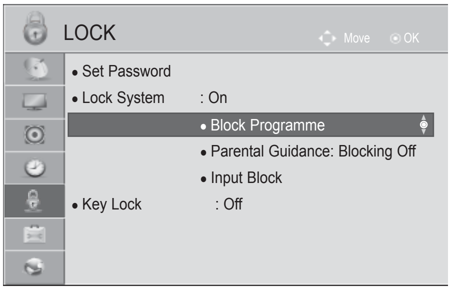
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

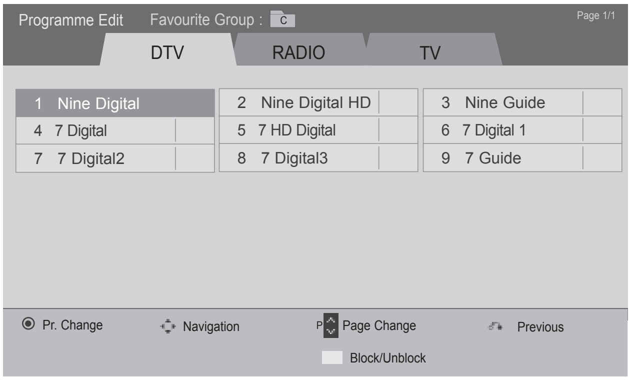
BLOCK PROGRAMME

Blocks any programme that you do not want to watch or that you do not want your children to watch.

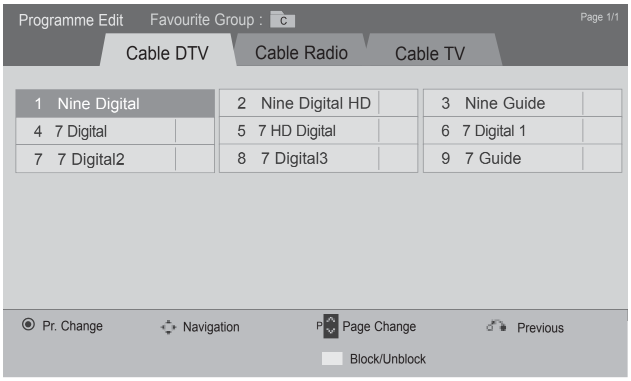
It is available to use this function in **Lock System** ”**On**”.

Enter a password to watch a blocked programme.


LOCK
Move
OK
• Set Password
• Lock System : On
• Block Programme
• Parental Guidance: Blocking Off
• Input Block
• Key Lock : Off


Programme Edit
Favourite Group : C
Page 1/1
DTV
RADIO
TV
1 Nine Digital
2 Nine Digital HD
3 Nine Guide
4 7 Digital
5 7 HD Digital
6 7 Digital 1
7 7 Digital2
8 7 Digital3
9 7 Guide
Pr. Change
Navigation
P Page Change
Previous
Block/Unblock

or


Programme Edit
Favourite Group : C
Page 1/1
Cable DTV
Cable Radio
Cable TV
1 Nine Digital
2 Nine Digital HD
3 Nine Guide
4 7 Digital
5 7 HD Digital
6 7 Digital 1
7 7 Digital2
8 7 Digital3
9 7 Guide
Pr. Change
Navigation
P Page Change
Previous
Block/Unblock

---

1 Select **LOCK**.

2 Select **Lock System**.

3 Select **Block Programme**.

4 Enter the **Block Programme**.

5 Select a programme to be locked.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PARENTAL CONTROL / RATINGS

PARENTAL CONTROL (IN DIGITAL MODE ONLY)

This function operates according to information from the broadcasting station. Therefore if the signal has incorrect information, this function does not operate.

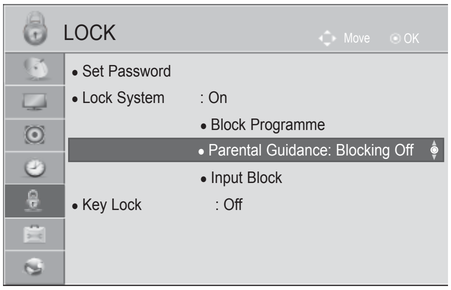
A password is required to gain access to this menu.

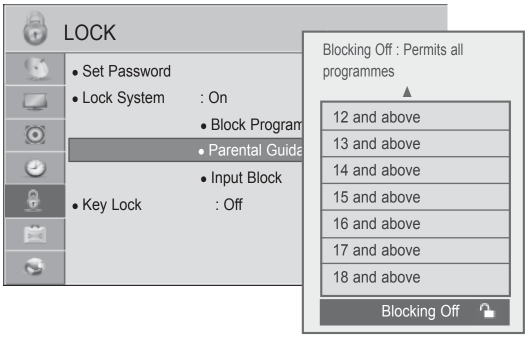
This set is programmed to remember which option it was last set to even if you switch the set off.

Prevents children from watching certain adult’s TV programmes, according to the ratings limit set.

Enter a password to watch a blocked programme.

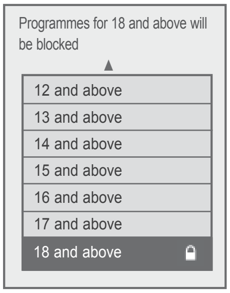
Rating differs by country.


LOCK
Move OK
- Set Password
- Lock System : On
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

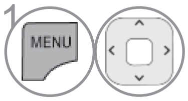

LOCK
- Set Password
- Lock System : On
  - Block Program
  - Parental Guida
  - Input Block
- Key Lock : Off

Blocking Off : Permits all programmes
- 12 and above
- 13 and above
- 14 and above
- 15 and above
- 16 and above
- 17 and above
- 18 and above
- Blocking Off

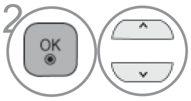
(Except for France)


Programmes for 18 and above will be blocked
- 12 and above
- 13 and above
- 14 and above
- 15 and above
- 16 and above
- 17 and above
- 18 and above

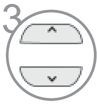
(Only France)



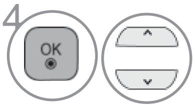
Select **LOCK**.



Select **Lock System**.



Select **Parental Guidance**.



Make appropriate adjustments.

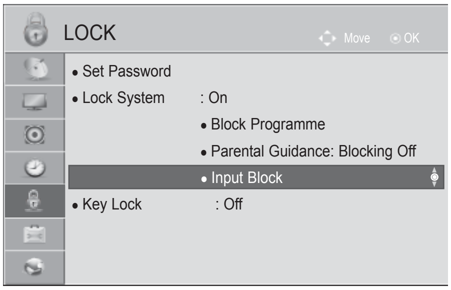
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

EXTERNAL INPUT BLOCKING

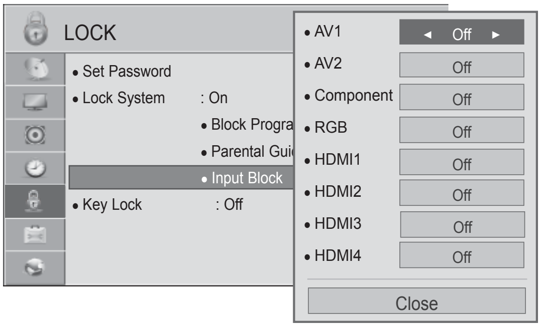
Enables you to block an input.

It is available to use this function in **Lock System** ”**On**”.

■ Image shown may differ from your TV.

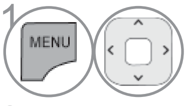


- Set Password
- Lock System : On
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

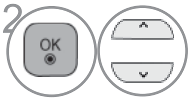


- Set Password
- Lock System : On
  - Block Progra
  - Parental Gui
  - Input Block
- Key Lock : Off

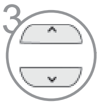
AV1	◄ Off ►
AV2	Off
Component	Off
RGB	Off
HDMI1	Off
HDMI2	Off
HDMI3	Off
HDMI4	Off



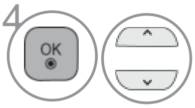
1 Select **LOCK**.



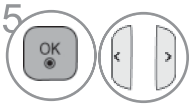
2 Select **Lock System**.



3 Select **Input Block**.



4 Select input source.



5 Select **On** or **Off**.

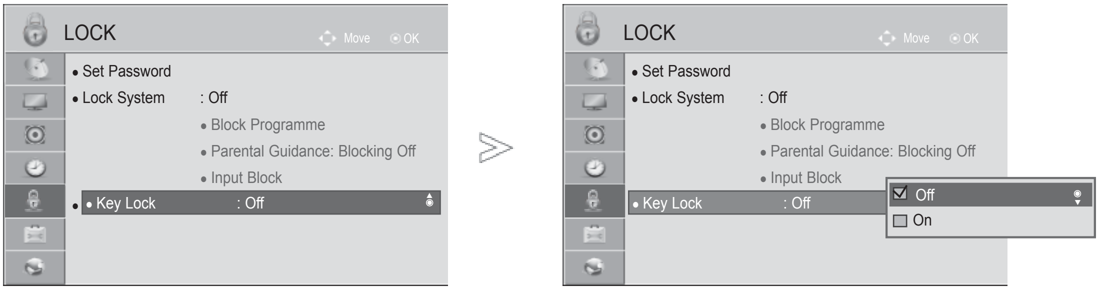
- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

PARENTAL CONTROL / RATINGS

KEY LOCK

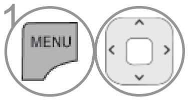
This feature can be used to prevent unauthorized viewing by locking out the front panel controls, so that it can only be used with the remote control.

This TV is programmed to remember which option it was last set to even if you turn the TV off.

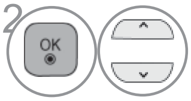


- Set Password
- Lock System : Off
  - Block Programme
  - Parental Guidance: Blocking Off
  - Input Block
- Key Lock : Off

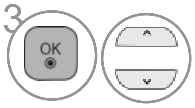
☑ Off
☐ On



Select **LOCK**.



Select **Key Lock**.



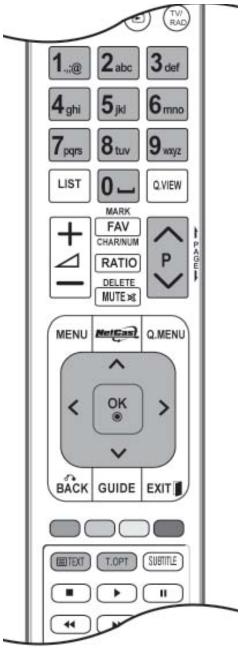
Select **On** or **Off**.

- In **Key Lock** ‘**On**’, if the TV is turned off, press the ⏻ **/ I**, INPUT, P ^ v button on the TV or POWER INPUT, P ^ v or NUMBER buttons on the remote control then the set will be turned on.
- With the **Key Lock On**, the display ‘⚠ **Key Lock On** ’ appears on the screen if any button on the front panel is pressed while viewing the TV.
- When another OSD is displayed, ‘⚠ **Key Lock On** ’ will not operate.

- Press the **MENU/EXIT** button to return to normal TV viewing.
- Press the **BACK** button to move to the previous menu screen.

TELETEXT

(Image shown may differ from your TV.)


TV/RAD
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LIST
0
Q.VIEW
MARK
FAV
CHAR/NUM
RATIO
DELETE
MUTE
P
PAGE
MENU
NetCast
Q.MENU
OK
BACK
GUIDE
EXIT
TEXT
T.OPT
SUBTITLE

This feature is not available in all countries.

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

SWITCH ON/OFF

Press the **TEXT** button to switch to teletext. The initial page or last page viewed appears on the screen.

Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.

Press the **TEXT** button to switch off teletext. The previous mode reappears.

SIMPLE TEXT

■ Page selection

① Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number.

② The P ^ v button can be used to select the preceding or following page.

TELETEXT

TOP TEXT

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

■ Block / group / page selection

① With the blue button you can progress from block to block.
② Use the yellow button to proceed to the next group with automatic overflow to the next block.
③ With the green button you can proceed to the next existing page with automatic overflow to the next group.
④ Alternatively the P∧ button can be used.
The red button returns to the previous selection. Alternatively the P ∨ button can be used.

■ Direct page selection

As with SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

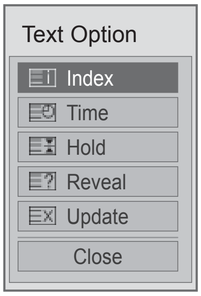
The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

■ Page selection

① Press the **T.OPT** button and then use ∧ ∨button to select ☰i menu. Display the index page.
② You can select the pages which are colour coded along the bottom line with corresponding coloured buttons.
③ AS with SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
④ The P∧ ∨button can be used to select the preceding or following page.

SPECIAL TELETEXT FUNCTIONS

- Press the **T. OPT** button and then use ∧ ∨ button to select the **Text Option** menu.
- In UK(In digital mode), T. OPT button does not work.



■ Index

Select the each index page.

■ Time

When viewing a TV programme, select this menu to display the time at the top right hand corner of the screen.

In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN,‹ › or NUMBER buttons.

■ Hold

Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this menu is selected the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inactive.

■ Reveal

Select this menu to display concealed information, such as solutions to riddles or puzzles.

■ Update

Displays the TV picture on the screen while waiting for a new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number. Select this menu again to view the updated teletext page.

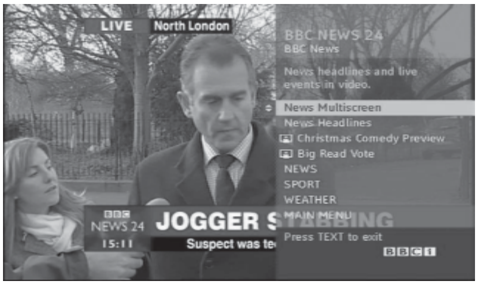
DIGITAL TELETEXT

***This function works in UK, Ireland only.**

The TV gives you access to digital teletext which is greatly improved in various aspects such as text, graphics etc.
This digital teletext can access special digital teletext services and specific services which broadcast digital teletext.

TELETEXT WITHIN DIGITAL SERVICE

1. Press the numeric or **P** ∧ ∨ button to select a digital service which broadcasts digital teletext.
2. Follow the indications on digital teletext and move onto the next step by pressing **TEXT**, **OK**, ∧ ∨ < >, **RED**, **GREEN**, **YELLOW**, **BLUE** or **NUMBER** buttons and etc..
3. To change digital teletext service, select a different service by the numeric or **P** ∧ ∨ button.


LIVE
North London
BBC NEWS 24
BBC News
News Multiscreen
News Headlines
Christmas Comedy Preview
Big Read Vote
NEWS
SPORT
WEATHER
MAIN MENU
BBC NEWS 24
15:11
JOGGER STABBING
Suspect was te
BBC 1

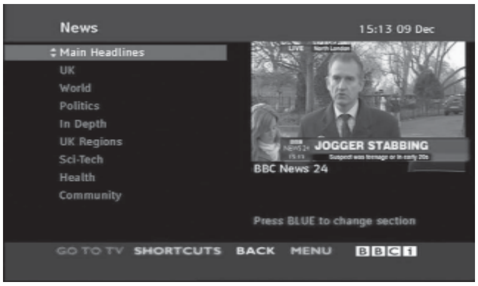
News headlines and live events in video.

Press TEXT to exit

TELETEXT IN DIGITAL SERVICE

1. Press the numeric or **P** ∧ ∨ button to select a certain service which broadcasts digital teletext.
2. Press the **TEXT** or coloured button to switch on teletext.
3. Follow the indications on digital teletext and move onto the next step by pressing **OK**, ∧ ∨ < >, **RED**, **GREEN**, **YELLOW**, **BLUE** or **NUMBER** buttons and so on.
4. Press the **TEXT** or colour button to switch off digital teletext and return to TV viewing.

Some services may allow you to access text services by pressing the **RED** button.


News
15:13 09 Dec
Main Headlines
UK
World
Politics
In Depth
UK Regions
Sci-Tech
Health
Community
JOGGER STABBING
BBC News 24
GO TO TV
SHORTCUTS
BACK
MENU
BBC 1

Press BLUE to change section

APPENDIX

TROUBLESHOOTING

The TV does not operate properly.	
The remote control does not work	■ Check to see if there is any object between the TV and the remote control causing an obstruction. Ensure you are pointing the remote control directly at the TV. ■ Ensure that the batteries are installed with correct polarity (+ to +, - to -). ■ Install new batteries.
Power is suddenly turned off	■ Is the sleep timer set? ■ Check the power control settings. Has the Power supply been interrupted. ■ If the TV is switched on and there is no input signal, it will switch off automatically after 15 minutes.

The video function does not work.	
No picture & No sound	■ Check whether the TV is switched on. ■ Try another channel. The problem may be with the broadcast. ■ Is the power cord inserted correctly into the mains? ■ Check your antenna direction and/or location. ■ Test the mains outlet by plugging another TV into the same outlet.
Picture appears slowly after switching on	■ This is normal, the image is muted during the TV startup process. Please contact your service centre, if the picture has not appeared after five minutes.
No or poor colour or poor picture	■ Adjust Colour in menu option. ■ Allow a sufficient distance between the TV and the VCR. ■ Try another channel. The problem may be with the broadcast. ■ Are the video cables installed properly? ■ Activate any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	■ Station or cable channel experiencing problems, tune to another station. ■ Station signal is weak, reposition the antenna to receive weaker stations. ■ Check for sources of possible interference.
Lines or streaks in pictures	■ Check antenna (Change the position of the antenna).
No picture when connecting HDMI	■ Check that your HDMI cable is High Speed HDMI Cable. If the HDMI cables are not High Speed HDMI Cable, flickering or no screen display can result. Please use the High Speed HDMI Cable.

The audio function does not work.	
Picture OK & No sound	■ Press the ⊿ **+** or **-** button. ■ Sound muted? Press MUTE button. ■ Try another channel. The problem may be with the broadcast. ■ Are the audio cables installed properly?
No output from one of the speakers	■ Adjust **Balance** in menu option.
Unusual sound from inside the TV	■ A change in ambient humidity or temperature may result in an unusual noise when the TV is switched on or off and does not indicate a fault with the TV.
No sound when connecting HDMI or USB	■ Check HDMI cable is High Speed HDMI Cable. ■ Check USB cable over version 2.0. ***This feature is not available for all models.**

There is a problem in PC mode. (Only PC mode applied)	
The signal is out of range (Invalid format)	■ Adjust resolution, horizontal frequency, or vertical frequency. ■ Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	■ Use Auto configure or adjust clock, phase, or H/V position. (Option)
Screen colour is unstable or single colour	■ Check the signal cable. ■ Reinstall the PC video card.

There is a problem with PICTURE settings.	
When the user changes the picture settings, the TV automatically converts back to the initial settings after a certain period of time.	■ It means that the TV is currently set to **Store Demo** mode. To switch to **Home use** mode you should do the followings: From the TV Menu, choose **OPTION** -> Choose **Mode Setting** -> Choose **Home use**. Now, you have completed switching to the **Home use** mode.

MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can prolong the life of your new TV.

Caution: Be sure to switch the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

1. A good way to keep the dust off your screen for a while is to wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it is almost dry, and then use it to wipe the screen.

2. Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching on.

Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Do not to use a wet cloth.

Extended Absence

⚠ CAUTION

▶ If you expect to leave your TV dormant for prolonged periods (such as a holiday), unplug the power cord to protect against possible damage from lightning or power surges.

APPENDIX

PRODUCT SPECIFICATIONS

MODELS		32LE5***	
		32LE5500-ZA / 32LE550N-ZA 32LE5800-ZA / 32LE5900-ZA	32LE5510-ZB / 32LE551N-ZB 32LE5810-ZB / 32LE5910-ZB
Dimensions (Width x Height x Depth)	with stand	784.6 mm x 558.1 mm x 221.0 mm	784.6 mm x 558.1 mm x 221.0 mm
	without stand	784.6 mm x 499.5 mm x 39.9 mm	784.6 mm x 499.5 mm x 39.9 mm
Weight	with stand	12.7 kg	12.7 kg
	without stand	10.5 kg	10.5 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		130 W	130 W
MODELS		37LE5***	
		37LE5500-ZA / 37LE550N-ZA 37LE5800-ZA / 37LE5900-ZA	37LE5510-ZB / 37LE551N-ZB 37LE5810-ZB / 37LE5910-ZB
Dimensions (Width x Height x Depth)	with stand	905.0 mm x 630.0 mm x 270.0 mm	905.0 mm x 630.0 mm x 270.0 mm
	without stand	905.0 mm x 568.0 mm x 39.9 mm	905.0 mm x 568.0 mm x 39.9 mm
Weight	with stand	15.6 kg	15.6 kg
	without stand	12.8 kg	12.8 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		140 W	140 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		42LE5***	
		42LE5500-ZA / 42LE550N-ZA 42LE5800-ZA / 42LE5900-ZA	42LE5510-ZB / 42LE551N-ZB 42LE5810-ZB / 42LE5910-ZB
Dimensions (Width x Height x Depth)	with stand	1016.0 mm x 692.0 mm x 270.0 mm	1016.0 mm x 692.0 mm x 270.0 mm
	without stand	1016.0 mm x 630.0 mm x 29.3 mm	1016.0 mm x 630.0 mm x 29.3 mm
Weight	with stand	19.5 kg	19.5 kg
	without stand	16.7 kg	16.7 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		150 W	150 W
MODELS		47LE5***	
		47LE5500-ZA / 47LE550N-ZA 47LE5800-ZA / 47LE5900-ZA	47LE5510-ZB / 47LE5 51N-ZB 47LE5810-ZB / 47LE5910-ZB
Dimensions (Width x Height x Depth)	with stand	1126.6 mm x 757.9 mm x 284.4 mm	1126.6 mm x 757.9 mm x 284.4 mm
	without stand	1126.6 mm x 692.0 mm x 29.3 mm	1126.6 mm x 692.0 mm x 29.3 mm
Weight	with stand	22.9 kg	22.9 kg
	without stand	19.6 kg	19.6 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		170 W	170 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		55LE5***	
		55LE5500-ZA / 55LE550N-ZA 55LE5800-ZA / 55LE5900-ZA	55LE5510-ZB / 55LE551N-ZB 55LE5810-ZB / 55LE5910-ZB
Dimensions (Width x Height x Depth)	with stand	1306.0 mm x 867.0 mm x 328.0 mm	1306.0 mm x 867.0 mm x 328.0 mm
	without stand	1306.0 mm x 797.0 mm x 30.7 mm	1306.0 mm x 797.0 mm x 30.7 mm
Weight	with stand without stand	34.5 kg 28.8 kg	34.5 kg 28.8 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 200 W	AC 100-240 V~ 50 / 60 Hz 200 W
MODELS		42LX6***	47LX6***
		42LX6500-ZD / 42LX650N-ZD 42LX6800-ZD / 42LX6900-ZD	47LX6500-ZD / 47LX650N-ZD 47LX6800-ZD / 47LX6900-ZD
Dimensions (Width x Height x Depth)	with stand	1016.0 mm x 692.0 mm x 270.0 mm	1126.6 mm x 757.9 mm x 284.4 mm
	without stand	1016.0 mm x 630.0 mm x 29.3 mm	1126.6 mm x 692.0 mm x 29.3 mm
Weight	with stand without stand	19.5 kg 16.7 kg	22.9 kg 19.6 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 160 W	AC 100-240 V~ 50 / 60 Hz 180 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature Operating Humidity	0 °C to 40 °C Less than 80 %	
	Storage Temperature Storage Humidity	-20 °C to 60° C Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- ■ The specifications shown above may be changed without prior notice for quality improvement.

MODELS		**32LE7*****	
		32LE7500-ZA / 32LE750N-ZA 32LE7800-ZA / 32LE7900-ZA	**32LE7510-ZB / 32LE751N-ZB 32LE7810-ZB / 32LE7910-ZB**
Dimensions (Width x Height x Depth)	with stand	786.4 mm x 556.2 mm x 221.0 mm	786.4 mm x 556.2 mm x 221.0 mm
	without stand	786.4 mm x 500.4 mm x 39.9 mm	786.4 mm x 500.4 mm x 39.9 mm
Weight	with stand	14.8 kg	14.8 kg
	without stand	11.7 kg	11.7 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		130 W	130 W
MODELS		**37LE7*****	
		37LE7500-ZA / 37LE750N-ZA 37LE7800-ZA / 37LE7900-ZA	**37LE7510-ZB / 37LE751N-ZB 37LE7810-ZB / 37LE7910-ZB**
Dimensions (Width x Height x Depth)	with stand	907.4 mm x 628.3 mm x 269.8 mm	907.4 mm x 628.3 mm x 269.8 mm
	without stand	907.4 mm x 569.0 mm x 39.9 mm	907.4 mm x 569.0 mm x 39.9 mm
Weight	with stand	18.8 kg	18.8 kg
	without stand	14.7 kg	14.7 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		140 W	140 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		42LE7***		
		42LE7500-ZA / 42LE750N-ZA / 42LE7800-ZA / 42LE7900-ZA	42LE7510-ZB / 42LE751N-ZB / 42LE7810-ZB / 42LE7910-ZB	42LE7300-ZA / 42LE730N-ZA / 42LE7380-ZA / 42LE7390-ZA
Dimensions (Width x Height x Depth)	with stand	1018.2 mm x 692.5 mm x 269.8 mm	1018.2 mm x 692.5 mm x 269.8 mm	1009.2 mm x 694.5 mm x 286.5 mm
	without stand	1018.2 mm x 630.7 mm x 29.3 mm	1018.2 mm x 630.7 mm x 29.3 mm	1009.2 mm x 629.7 mm x 29.3 mm
Weight	with stand	23.2 kg	23.2 kg	25.5 kg
	without stand	19.1 kg	19.1 kg	21.0 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		150 W	150 W	150 W
MODELS		47LE7***		
		47LE7500-ZA / 47LE750N-ZA / 47LE7800-ZA / 47LE7900-ZA	47LE7510-ZB / 47LE751N-ZB / 47LE7810-ZB / 47LE7910-ZB	47LE7300-ZA / 47LE730N-ZA / 47LE7380-ZA / 47LE7390-ZA
Dimensions (Width x Height x Depth)	with stand	1128.6 mm x 758.5 mm x 284.4 mm	1128.6 mm x 758.5 mm x 284.4 mm	1119.6 mm x 757.1 mm x 286.5 mm
	without stand	1128.6 mm x 693.3 mm x 29.8 mm	1128.6 mm x 693.3 mm x 29.8 mm	1119.6 mm x 691.3 mm x 29.3 mm
Weight	with stand	27.5 kg	27.5 kg	29.7 kg
	without stand	23.0 kg	23.0 kg	25.2 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		170 W	170 W	170 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm		
Environment condition	Operating Temperature	0 °C to 40 °C		
	Operating Humidity	Less than 80 %		
	Storage Temperature	-20 °C to 60° C		
	Storage Humidity	Less than 85 %		
Supported movie files		Refer to p. 96 to 97		

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		55LE7***	
		55LE7500-ZA / 55LE750N-ZA 55LE7800-ZA / 55LE7900-ZA	55LE7510-ZB / 55LE751N-ZB 55LE7810-ZB / 55LE7910-ZB
Dimensions (Width x Height x Depth)	with stand	1306.0 mm x 868.1 mm x 328.0 mm	1306.0 mm x 868.1 mm x 328.0 mm
	without stand	1306.0 mm x 797.4 mm x 31.2 mm	1306.0 mm x 797.4 mm x 31.2 mm
Weight	with stand	39.6 kg	39.6 kg
	without stand	33.5 kg	33.5 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		200 W	200 W

MODELS		47LX9***	55LX9***
		47LX9800-ZA	55LX9800-ZA
Dimensions (Width x Height x Depth)	with stand	1085.9 mm x 710.6 mm x 255.0 mm	1255.8 mm x 805.0 mm x 255.0 mm
	without stand	1085.9 mm x 654.2 mm x 31.6 mm	1255.8 mm x 749.6 mm x 31.6 mm
Weight	with stand	26.7 kg	32.7 kg
	without stand	22.1 kg	28.1 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		210 W	260 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		42LE8***	
		42LE8500-ZA / 42LE850N-ZA 42LE8800-ZA / 42LE8900-ZA	**42LE8510-ZB / 42LE851N-ZB 42LE8810-ZB / 42LE8910-ZB**
Dimensions (Width x Height x Depth)	with stand	1013.3 mm x 705.8 mm x 235.5 mm	1013.3 mm x 705.8 mm x 235.5 mm
	without stand	1013.3 mm x 645.8 mm x 34.5 mm	1013.3 mm x 645.8 mm x 34.5 mm
Weight	with stand	27.2 kg	27.2 kg
	without stand	23.1 kg	23.1 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		160 W	160 W
MODELS		47LE8***	
		47LE8500-ZA / 47LE850N-ZA 47LE8800-ZA / 47LE8900-ZA	**47LE8510-ZB / 47LE851N-ZB 47LE8810-ZB / 47LE8910-ZB**
Dimensions (Width x Height x Depth)	with stand	1122.6 mm x 769.3 mm x 275.0 mm	1122.6 mm x 769.3 mm x 275.0 mm
	without stand	1122.6 mm x 707.3 mm x 34.5 mm	1122.6 mm x 707.3 mm x 34.5 mm
Weight	with stand	31.6 kg	31.6 kg
	without stand	27.0 kg	27.0 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		170 W	170 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		55LE8***	
		55LE8500-ZA / 55LE850N-ZA 55LE8800-ZA / 55LE8900-ZA	55LE8510-ZB / 55LE851N-ZB 55LE8810-ZB / 55LE8910-ZB
Dimensions (Width x Height x Depth)	with stand	1292.6 mm x 875.4 mm x 311.9 mm	1292.6 mm x 875.4 mm x 311.9 mm
	without stand	1292.6 mm x 802.9 mm x 34.5 mm	1292.6 mm x 802.9 mm x 34.5 mm
Weight	with stand	43.8 kg	43.8 kg
	without stand	35.8 kg	35.8 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		230 W	230 W

MODELS		32LD4***	37LD4***
		32LD480-ZB 32LD490-ZB	37LD480-ZB 37LD490-ZB
Dimensions (Width x Height x Depth)	with stand	799.0 mm x 555.0 mm x 207.0 mm	916.0 mm x 625.0 mm x 261.0 mm
	without stand	799.0 mm x 506.0 mm x 73.5 mm	916.0 mm x 575.0 mm x 77.4 mm
Weight	with stand	9.1 kg	12.5 kg
	without stand	8.1 kg	10.8 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		120 W	160 W

MODELS		42LD4***
		42LD480-ZB 42LD490-ZB
Dimensions (Width x Height x Depth)	with stand	1023.0 mm x 685.0 mm x 261.0 mm
	without stand	1023.0 mm x 635.0 mm x 76.6 mm
Weight	with stand	15.1 kg
	without stand	13.5 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz
Power Consumption		190 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm
Environment condition	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60° C
	Storage Humidity	Less than 85 %
Supported movie files		Refer to p. 96 to 97

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		32LD6***	
		32LD650-ZC / 32LD650N-ZC 32LD680-ZC / 32LD690-ZB	32LD651-ZB / 32LD651N-ZB 32LD681-ZB / 32LD691-ZB
Dimensions (Width x Height x Depth)	with stand	797.0 mm x 555.0 mm x 207.0 mm	797.0 mm x 555.0 mm x 207.0 mm
	without stand	797.0 mm x 495.0 mm x 73.8 mm	797.0 mm x 495.0 mm x 73.8 mm
Weight	with stand	9.8 kg	9.8 kg
	without stand	8.7 kg	8.7 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		150 W	150 W
MODELS		37LD6***	
		37LD650-ZC / 37LD650N-ZC 37LD680-ZC / 37LD690-ZB	37LD651-ZB / 37LD651N-ZB 37LD681-ZB / 37LD691-ZB
Dimensions (Width x Height x Depth)	with stand	916.0 mm x 625.0 mm x 261.0 mm	916.0 mm x 625.0 mm x 261.0 mm
	without stand	916.0 mm x 560.0 mm x 77.7 mm	916.0 mm x 560.0 mm x 77.7 mm
Weight	with stand	12.8 kg	12.8 kg
	without stand	11.2 kg	11.2 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		170 W	170 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		42LD6***	
		42LD650-ZC / 42LD650N-ZC 42LD680-ZC / 42LD690-ZB	**42LD651-ZB / 42LD651N-ZB 42LD681-ZB / 42LD691-ZB**
Dimensions (Width x Height x Depth)	with stand	1024.0 mm x 685.0 mm x 261.0 mm	1024.0 mm x 685.0 mm x 261.0 mm
	without stand	1024.0 mm x 621.0 mm x 76.8 mm	1024.0 mm x 621.0 mm x 76.8 mm
Weight	with stand	15.5 kg	15.5 kg
	without stand	13.9 kg	13.9 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		210 W	210 W
MODELS		47LD6***	
		47LD650-ZC / 47LD650N-ZC 47LD680-ZC / 47LD690-ZB	**47LD651-ZB / 47LD651N-ZB 47LD681-ZB / 47LD691-ZB**
Dimensions (Width x Height x Depth)	with stand	1137.0 mm x 758.0 mm x 270.0 mm	1137.0 mm x 758.0 mm x 270.0 mm
	without stand	1137.0 mm x 685.0 mm x 76.8 mm	1137.0 mm x 685.0 mm x 76.8 mm
Weight	with stand	20.3 kg	20.3 kg
	without stand	18.3 kg	18.3 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		250 W	250 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		55LD6***	
		55LD650-ZC / 55LD650N-ZC 55LD680-ZC / 55LD690-ZB	55LD651-ZB / 55LD651N-ZB 55LD681-ZB / 55LD691-ZB
Dimensions (Width x Height x Depth)	with stand	1329.0 mm x 872.0 mm x 330.0 mm	1329.0 mm x 872.0 mm x 330.0 mm
	without stand	1329.0 mm x 796.0 mm x 96.5 mm	1329.0 mm x 796.0 mm x 96.5 mm
Weight	with stand	33.0 kg	33.0 kg
	without stand	29.8 kg	29.8 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		340 W	340 W

MODELS		32LE4***	37LE4***
		32LE4800-ZB 32LE4900-ZB	37LE4800-ZB 37LE4900-ZB
Dimensions (Width x Height x Depth)	with stand	786.0 mm x 559.0 mm x 221.0 mm	907.0 mm x 630.0 mm x 270.0 mm
	without stand	786.0 mm x 500.0 mm x 39.9 mm	907.0 mm x 565.0 mm x 39.9 mm
Weight	with stand	12.4 kg	14.6 kg
	without stand	10.6 kg	12.1 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz	AC 100-240 V~ 50 / 60 Hz
Power Consumption		130 W	140 W

MODELS		42LE4***
		42LE4800-ZB 42LE4900-ZB
Dimensions (Width x Height x Depth)	with stand	1018.0 mm x 692.0 mm x 270.0 mm
	without stand	1018.0 mm x 627.0 mm x 29.8 mm
Weight	with stand	17.0 kg
	without stand	14.5 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz
Power Consumption		150 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm
Environment condition	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60° C
	Storage Humidity	Less than 85 %
Supported movie files		Refer to p. 96 to 97

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		32LD7***	
		32LD750-ZA / 32LD750N-ZA 32LD780-ZA / 32LD790-ZA	32LD751-ZB / 32LD751N-ZB 32LD781-ZB / 32LD791-ZB / 32LD752-ZD
Dimensions (Width x Height x Depth)	with stand	804.0 mm x 567.0 mm x 212.0 mm	804.0 mm x 567.0 mm x 212.0 mm
	without stand	804.0 mm x 510.0 mm x 73.8 mm	804.0 mm x 510.0 mm x 73.8 mm
Weight	with stand without stand	10.2 kg 8.8 kg	10.2 kg 8.8 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 150 W	AC 100-240 V~ 50 / 60 Hz 150 W
MODELS		42LD7***	
		42LD750-ZA / 42LD750N-ZA 42LD780-ZA / 42LD790-ZA	42LD751-ZB / 42LD751N-ZB 42LD781-ZB / 42LD791-ZB / 42LD752-ZD
Dimensions (Width x Height x Depth)	with stand	1032.0 mm x 700.0 mm x 260.0 mm	1032.0 mm x 700.0 mm x 260.0 mm
	without stand	1032.0 mm x 639.0 mm x 76.8 mm	1032.0 mm x 639.0 mm x 76.8 mm
Weight	with stand without stand	16.5 kg 13.8 kg	16.5 kg 13.8 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 210 W	AC 100-240 V~ 50 / 60 Hz 210 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature Operating Humidity	0 °C to 40 °C Less than 80 %	
	Storage Temperature Storage Humidity	-20 °C to 60° C Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		47LD7***	
		47LD750-ZA / 47LD750N-ZA 47LD780-ZA / 47LD790-ZA	47LD751-ZB / 47LD751N-ZB 47LD781-ZB / 47LD791-ZB / 47LD752-ZD
Dimensions (Width x Height x Depth)	with stand	1144.0 mm x 764.0 mm x 260.0 mm	1144.0 mm x 764.0 mm x 260.0 mm
	without stand	1144.0 mm x 704.0 mm x 76.8 mm	1144.0 mm x 704.0 mm x 76.8 mm
Weight	with stand without stand	20.9 kg 18.2 kg	20.9 kg 18.2 kg
Power requirement Power Consumption		AC 100-240 V~ 50 / 60 Hz 250 W	AC 100-240 V~ 50 / 60 Hz 250 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature Operating Humidity	0 °C to 40 °C Less than 80 %	
	Storage Temperature Storage Humidity	-20 °C to 60° C Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		32LD8***
		32LD840-ZA / 32LD840N-ZA 32LD880-ZA / 32LD890-ZA
Dimensions (Width x Height x Depth)	with stand	803.0 mm x 568.0 mm x 212.0 mm
	without stand	803.0 mm x 502.0 mm x 73.4 mm
Weight	with stand	10.0 kg
	without stand	8.6 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz
Power Consumption		150 W
MODELS		37LD8***
		37LD840-ZA / 37LD840N-ZA 37LD880-ZA / 37LD890-ZA
Dimensions (Width x Height x Depth)	with stand	922.0 mm x 640.0 mm x 260.0 mm
	without stand	922.0 mm x 568.0 mm x 77.3 mm
Weight	with stand	13.9 kg
	without stand	11.3 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz
Power Consumption		170 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm
Environment condition	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60° C
	Storage Humidity	Less than 85 %
Supported movie files		Refer to p. 96 to 97

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		42LD8***
		42LD840-ZA / 42LD840N-ZA 42LD880-ZA / 42LD890-ZA
Dimensions (Width x Height x Depth)	with stand	1030.0 mm x 701.0 mm x 260.0 mm
	without stand	1030.0 mm x 628.0 mm x 76.4 mm
Weight	with stand	16.5 kg
	without stand	13.9 kg
Power requirement		AC 100-240 V~ 50 / 60 Hz
Power Consumption		210 W
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm
Environment condition	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60° C
	Storage Humidity	Less than 85 %
Supported movie files		Refer to p. 96 to 97

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		50PK5**	60PK5**
		50PK590-ZE	60PK590-ZE
Dimensions (Width x Height x Depth)	with stand	1171.4 mm x 786.2 mm x 309.7 mm	1392.0 mm x 915.0 mm x 384.0 mm
	without stand	1171.4 mm x 724.4 mm x 55.3 mm	1392.0 mm x 852.0 mm x 55.3 mm
Weight	with stand	31.0 kg	45.9 kg
	without stand	28.6 kg	41.4 kg
MODELS		50PK7***	60PK7***
		50PK760-ZC / 50PK760N-ZC 50PK780-ZC / 50PK790-ZC	60PK760-ZC / 60PK760N-ZC 60PK780-ZC / 60PK790-ZC
Dimensions (Width x Height x Depth)	with stand	1184.0 mm x 801.0 mm x 294.5 mm	1402.8 mm x 934.3 mm x 384.0 mm
	without stand	1184.0 mm x 738.5 mm x 52.4 mm	1402.8 mm x 866.8 mm x 52.4 mm
Weight	with stand	34.5 kg	50.3 kg
	without stand	29.9 kg	42.7 kg
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	Less than 80 %	
	Storage Temperature	-20 °C to 60° C	
	Storage Humidity	Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- The specifications shown above may be changed without prior notice for quality improvement.
- For the power supply and power consumption, refer to the label attached to the product.

MODELS		50PK9***	60PK9***
		50PK950-ZA / 50PK960-ZA 50PK950N-ZA / 50PK980-ZA 50PK990-ZA	60PK950-ZA / 60PK960-ZA 60PK950N-ZA / 60PK980-ZA 60PK990-ZA
Dimensions (Width x Height x Depth)	with stand	1190.0 mm x 804.5 mm x 294.5 mm	1408.8 mm x 937.9 mm x 384.0 mm
	without stand	1190.0 mm x 737.0 mm x 52.4 mm	1408.8 mm x 860.7 mm x 52.4 mm
Weight	with stand without stand	34.8 kg 30.2 kg	50.9 kg 43.3 kg
MODELS		50PX9***	60PX9***
		50PX960-ZA / 50PX950N-ZA / 50PX980-ZA / 50PX990-ZA	60PX960-ZA / 60PX950N-ZA / 60PX980-ZA / 60PX990-ZA
Dimensions (Width x Height x Depth)	with stand	1190.0 mm x 804.5 mm x 294.5 mm	1408.8 mm x 937.9 mm x 384.0 mm
	without stand	1190.0 mm x 737.0 mm x 52.4 mm	1408.8 mm x 860.7 mm x 52.4 mm
Weight	with stand without stand	34.8 kg 30.2 kg	50.9 kg 43.3 kg
CI Module Size (Width x Height x Depth)		100.0 mm x 55.0 mm x 5.0 mm	
Environment condition	Operating Temperature Operating Humidity	0 °C to 40 °C Less than 80 %	
	Storage Temperature Storage Humidity	-20 °C to 60° C Less than 85 %	
Supported movie files		Refer to p. 96 to 97	

- For the power supply and power consumption, refer to the label attached to the product.

	Digital TV	Analogue TV
Television System	DVB-T DVB-C	PAL/SECAM B/G/D/K, PAL I/II, SECAM L/L’
Programme Coverage	VHF, UHF	VHF: E2 to E12, UHF: E21 to E69, CATV: S1 to S20, HYPER: S21 to S47
Maximum number of storable programmes	1,000	
External Antenna Impedance	75 Ω	75 Ω

- The specifications shown above may be changed without prior notice for quality improvement.

IR CODES

*This feature is not available for all models.

Code (Hexa)	Function	Note
95	Energy Saving	R/C BUTTON
08	POWER	R/C BUTTON(POWER ON/OFF)
0B	INPUT	R/C BUTTON
79	RATIO	R/C BUTTON
F0	TV/RAD	R/C BUTTON
45	Q.MENU	R/C BUTTON
43	MENU	R/C BUTTON
AB	GUIDE	R/C BUTTON
40	Up (^)	R/C BUTTON
41	Down (∨)	R/C BUTTON
07	Left (<)	R/C BUTTON
06	Right (>)	R/C BUTTON
44	OK(◉)	R/C BUTTON
28	BACK	R/C BUTTON
5B	EXIT	R/C BUTTON
AA	INFO ⓘ	R/C BUTTON
30	AV MODE	R/C BUTTON
02	⊿ +	R/C BUTTON
03	⊿ -	R/C BUTTON
1E	FAV (MARK) (CHAR/NUM)	R/C BUTTON
09	MUTE (DELETE)	R/C BUTTON
00	P ^	R/C BUTTON
01	P ∨	R/C BUTTON
10 to 19	Number Key 0 to 9	R/C BUTTON
53	LIST	R/C BUTTON
1A	Q.VIEW	R/C BUTTON
72	RED Key	R/C BUTTON
71	GREEN Key	R/C BUTTON
63	YELLOW Key	R/C BUTTON
61	BLUE Key(L/R SELECT)	R/C BUTTON
20	TEXT	R/C BUTTON
21	T.OPT(T.Option)	R/C BUTTON
39	SUBTITLE	R/C BUTTON
7E	SIMPLINK	R/C BUTTON
91	AD	R/C BUTTON
B1	■	R/C BUTTON
B0	▶	R/C BUTTON
BA	II(FREEZE:Plasma TV only)	R/C BUTTON
8F	◀◀	R/C BUTTON
8E	▶▶	R/C BUTTON
59	NetCast	R/C BUTTON
58	@	R/C BUTTON
DC	3D	R/C BUTTON
9F	APP/*	R/C BUTTON

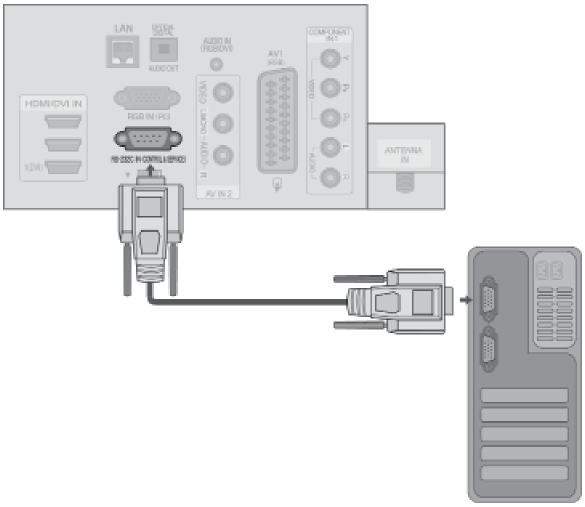
EXTERNAL CONTROL DEVICE SETUP

RS-232C Setup

Connect the RS-232C (serial port) input jack to an external control device (such as a computer or an A/V control system) to control the product's functions externally.

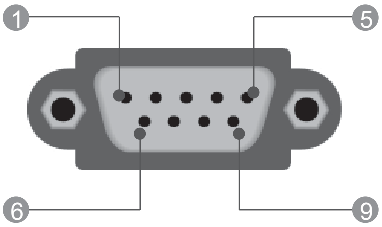
Connect the serial port of the control device to the RS-232C jack on the product back panel.

Note: RS-232C connection cables are not supplied with the product.



Type of Connector; D-Sub 9-Pin Male

No.	Pin Name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (DCE side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No Connection



RS-232C Configurations

7-Wire Configurations (Standard RS-232C cable)

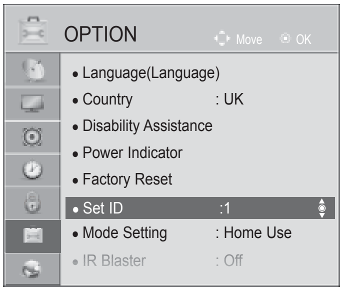
	PC		TV	
RXD	2	●——●	3	TXD
TXD	3	●——●	2	RXD
GND	5	●——●	5	GND
DTR	4	●——●	6	DSR
DSR	6	●——●	4	DTR
RTS	7	●——●	8	CTS
CTS	8	●——●	7	RTS
	D-Sub 9		D-Sub 9	

3-Wire Configurations(Not standard)

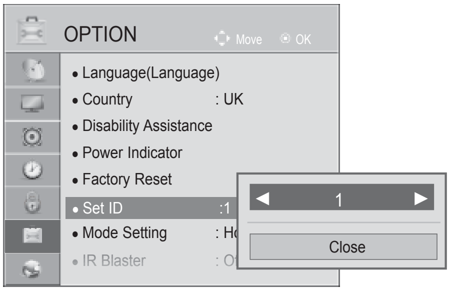
	PC		TV	
RXD	2	●——●	3	TXD
TXD	3	●——●	2	RXD
GND	5	●——●	5	GND
DTR	4		6	DTR
DSR	6		4	DSR
RTS	7		7	RTS
CTS	8		8	CTS
	D-Sub 9		D-Sub 9	

Set ID

Use this function to specify a set ID number.
Refer to ‘Real Data Mapping’. ▶ **p.207**

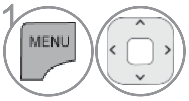


- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID :1
- Mode Setting : Home Use
- IR Blaster : Off

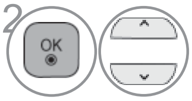


- Language(Language)
- Country : UK
- Disability Assistance
- Power Indicator
- Factory Reset
- Set ID :1
- Mode Setting : Ho
- IR Blaster : O

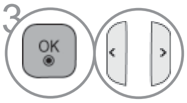
◀ 1 ▶

1


Select **OPTION**.

2


Select **Set ID**.

3


Adjust **Set ID** to choose the desired TV ID number.
The adjustment range of SET ID is 1 to 99.

- Press the **BACK** button to move to the previous menu screen.

Communication Parameters

- Baud rate : 9600 bps (UART)
- Data length : 8 bits
- Parity : None
- Stop bit : 1 bit
- Communication code : ASCII code
- Use a crossed (reverse) cable.

Command Reference List

	COMMAND 1	COMMAND 2	DATA (Hexadecimal)
01. Power	k	a	00 to 01
02. Aspect Ratio	k	c	Refer to p. 205
03. Screen Mute	k	d	Refer to p. 205
04. Volume Mute	k	e	00 to 01
05. Volume Control	k	f	00 to 64
06. Contrast	k	g	00 to 64
07. Brightness	k	h	00 to 64
08. Colour	k	i	00 to 64
09. Tint	k	j	00 to 64
10. Sharpness	k	k	00 to 64
11. OSD Select	k	l	00 to 01
12. Remote control lock mode	k	m	00 to 01
13. Treble	k	r	00 to 64
14. Bass	k	s	00 to 64
15. Balance	k	t	00 to 64
16. Colour Temperature	x	u	00 to 64
17. ISM Method	j	p	Refer to p. 207
18. Energy Saving	j	q	00 to 05
19. Auto Configuration	j	u	01
20. Tune Command	m	a	Refer to p. 207
21. Programme Add/Skip	m	b	00 to 01
22. Key	m	c	Key Code
23. Control Back Light	m	g	00 to 64
24. Input select (Main)	x	b	Refer to p. 208

* Note : During USB operations such as DivX or EMF, all commands except Power(ka) and Key(mc) are not executed and treated as NG.

Transmission / Receiving Protocol

Transmission

[Command1][Command2][ ][Set ID][ ][Data][Cr]

* [Command 1] : First command to control the TV.
  (j, k, m or x)
* [Command 2] : Second command to control the TV.
* [Set ID] : You can adjust the set ID to choose desired monitor ID number in option menu. Adjustment range is 1 to 99. When selecting Set ID ‘0’, every connected set is controlled.
  Set ID is indicated as decimal (1 to 99) on menu and as Hexa decimal (0x0 to 0x63) on transmission/receiving protocol.
* [DATA] : To transmit command data.
  Transmit ‘FF’ data to read status of command.
* [Cr] : Carriage Return
  ASCII code ‘0x0D’
* [ ] : ASCII code ‘space (0x20)’

OK Acknowledgement

[Command2][ ][Set ID][ ][OK][Data][x]

* The set transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.

Error Acknowledgement

[Command2][ ][Set ID][ ][NG][Data][x]

* The set transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors.

Data 00: Illegal Code

01. Power (Command: k a)

▶ To control Power On/Off of the set.

Transmission

[k][a][ ][Set ID][ ][Data][Cr]

Data 00 : Power Off 01 : Power On

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

▶ To show Power On/Off.

Transmission

[k][a][ ][Set ID][ ][FF][Cr]

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

* Similarly, if other functions transmit ‘0xFF’ data based on this format, Acknowledgement data feed back presents status about each function.

* OK Ack., Error Ack. and other message may display on the screen when TV is power On.

02. Aspect Ratio (Command: k c) (Main Picture Size)

▶ To adjust the screen format. (Main picture format)
You can also adjust the screen format using the **Aspect Ratio** in the Q.MENU. or PICTURE menu.

Transmission

[k][c][ ][Set ID][ ][Data][Cr]

Data 01 : Normal screen (4:3)
02 : Wide screen (16:9)
04 : Zoom
06 : Original
07 : 14:9
09 : Just Scan
0B : Full Wide
10 to 1F : Cinema Zoom 1 to 16

Ack

[c][ ][Set ID][ ][OK/NG][Data][x]

* Using the PC input, you select either 16:9 or 4:3 screen aspect ratio.

* In DTV/HDMI (1080i 50 Hz / 60 Hz, 720p 50Hz / 60 Hz, 1080p 24 Hz / 30 Hz / 50 Hz / 60 Hz), Component(720p, 1080i, 1080p 50 Hz / 60 Hz) mode, Just Scan is available.

* **Full Wide** is supported only for Digital, Analogue, AV.

03. Screen Mute (Command: k d)

▶ To select screen mute on/off.

Transmission

[k][d][ ][Set ID][ ][Data][Cr]

Data 00 : Screen mute off (Picture on)
Video mute off
01 : Screen mute on (Picture off)
10 : Video mute on

Ack

[d][ ][Set ID][ ][OK/NG][Data][x]

* In case of video mute on only, TV will display On Screen Display(OSD). But, in case of Screen mute on, TV will not display OSD.

04. Volume Mute (Command: k e)

▶ To control volume mute on/off.
You can also adjust mute using the MUTE button on remote control.

Transmission

[k][e][ ][Set ID][ ][Data][Cr]

Data 00 : Volume mute on (Volume off)
01 : Volume mute off (Volume on)

Ack

[e][ ][Set ID][ ][OK/NG][Data][x]

05. Volume Control (Command: k f)

▶ To adjust volume.
You can also adjust volume with the VOLUME buttons on remote control.

Transmission

[k][f][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

[f][ ][Set ID][ ][OK/NG][Data][x]

06. Contrast (Command: k g)

▶ To adjust screen contrast.
You can also adjust contrast in the PICTURE menu.

Transmission

[k][g][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

[g][ ][Set ID][ ][OK/NG][Data][x]

07. Brightness (Command: k h)

▶ To adjust screen brightness.
You can also adjust brightness in the PICTURE menu.

Transmission

[k][h][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

[h][ ][Set ID][ ][OK/NG][Data][x]

08. Colour (Command: k i)

▶ To adjust the screen colour.
You can also adjust colour in the PICTURE menu.

Transmission

[k][i][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

[i][ ][Set ID][ ][OK/NG][Data][x]

09. Tint (Command: k j)

▶ To adjust the screen tint.
You can also adjust tint in the PICTURE menu.

Transmission

```
[k][j][  ][Set ID][  ][Data][Cr]
```

Data Red : 00 to Green : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

```
[j][  ][Set ID][  ][OK/NG][Data][x]
```

10. Sharpness (Command: k k)

▶ To adjust the screen sharpness.
You can also adjust sharpness in the PICTURE menu.

Transmission

```
[k][k][  ][Set ID][  ][Data][Cr]
```

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

```
[k][  ][Set ID][  ][OK/NG][Data][x]
```

11. OSD Select (Command: k l)

▶ To select OSD (On Screen Display) on/off when controlling remotely.

Transmission

```
[k][l][  ][Set ID][  ][Data][Cr]
```

Data 00 : OSD off 01 : OSD on

Ack

```
[l][  ][Set ID][  ][OK/NG][Data][x]
```

12. Remote control lock mode (Command: k m)

▶ To lock the front panel controls on the monitor and remote control.

Transmission

```
[k][m][  ][Set ID][  ][Data][Cr]
```

Data 00 : Lock off 01 : Lock on

Ack

```
[m][  ][Set ID][  ][OK/NG][Data][x]
```

* If you are not using the remote control, use this mode.
When main power is on/off, external control lock is released.
* In the standby mode, if key lock is on, TV will not turn on by power on key of IR & Local Key.

13. Treble (Command: k r)

▶ To adjust treble.
You can also adjust treble in the AUDIO menu.

Transmission

```
[k][r][  ][Set ID][  ][Data][Cr]
```

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

```
[r][  ][Set ID][  ][OK/NG][Data][x]
```

14. Bass (Command: k s)

▶ To adjust bass.
You can also adjust bass in the AUDIO menu.

Transmission

```
[k][s][  ][Set ID][  ][Data][Cr]
```

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

```
[s][  ][Set ID][  ][OK/NG][Data][x]
```

15. Balance (Command: k t)

▶ To adjust balance.
You can also adjust balance in the AUDIO menu.

Transmission

```
[k][t][  ][Set ID][  ][Data][Cr]
```

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

```
[t][  ][Set ID][  ][OK/NG][Data][x]
```

16. Colour Temperature (Command: x u)

▶ To adjust colour temperature. You can also adjust Colour Temperature in the PICTURE menu.

Transmission

```
[x][u][  ][Set ID][  ][Data][Cr]
```

Data Min : 00 to Max : 64
* Refer to ‘Real data mapping 1’. See page 207.

Ack

```
[u][  ][Set ID][  ][OK/NG][Data][x]
```

17. ISM Method (Command: j p) (Plasma TV only)

▶ To control the ISM method. You can also adjust ISM Method in OPTION menu.

Transmission

[j][p][ ][Set ID][ ][Data][Cr]

Data 02: Orbiter
04: White wash
08: Normal
20: Colour Wash

Ack

[p][ ][Set ID][ ][OK/NG][Data][x]

18. Energy Saving (Command: j q)

▶ To reduce the power consumption of the TV. You can also adjust Energy Saving in PICTURE menu.

Transmission

[j][q][ ][Set ID][ ][Data][Cr]

Power Saving Function					Level				Description
7	6	5	4		3	2	1	0	
0	0	0	0	Low Power	0	0	0	0	Off
0	0	0	0	Low Power	0	0	0	1	Minimum
0	0	0	0	Low Power	0	0	1	0	Medium
0	0	0	0	Low Power	0	0	1	1	Maximum
0	0	0	0	Low Power	0	1	0	0	Auto (LCD TV/LED LCD TV only)
0	0	0	0	Low Power	0	1	0	1	Screen Off
0	0	0	0	Low Power	0	1	0	0	Intelligent Sensor (Plasma TV only)

Ack

[q][ ][Set ID][ ][OK/NG][Data][x]

19. Auto Configure(Command: j u)

▶ To adjust picture position and minimize image shaking automatically. It works only in RGB (PC) mode.

Transmission

[j][u][ ][Set ID][ ][Data][Cr]

Data 01: To set

Ack

[u][ ][Set ID][ ][OK/NG][Data][x]

20. Tune Command (Command: m a)

▶ Select channel to following physical number.

Transmission

[m][a][ ][Set ID][ ][Data0][ ][Data1][ ][Data2][Cr]

Data00 : High channel data
Data01 : Low channel data
ex. No. 47 -> 00 2F (2FH)
No. 394 -> 01 8A (18AH),
DTV No. 0 -> Don't care
Data02 : 0x00 : Analogue Main
0x10 : DTV Main
0x20 : Radio

Channel data range
Analogue - Min: 00 to Max: 63 (0 to 99)
Digital - Min: 00 to Max: 3E7 (0 to 999)
(Except For Sweden, Finland, Norway, Denmark, Ireland)
Digital - Min: 00 to Max: 270F (0 to 9999)
(Only Sweden, Finland, Norway, Denmark, Ireland)

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

Data Min: 00 to Max: 7DH

21. Programme Add/Skip(Command: m b)

▶ To set skip status for the current Programme.

Transmission

[m][b][ ][Set ID][ ][Data][Cr]

Data 00 : Skip 01 : Add

Ack

[b][ ][Set ID][ ][OK/NG][Data][x]

* **Real data mapping 1**

00 : Step 0
⋮
A : Step 10 (Set ID 10)
⋮
F : Step 15 (Set ID 15)
10 : Step 16 (Set ID 16)
⋮
64 : Step 100
⋮
6E : Step 110
⋮
73 : Step 115
74 : Step 116
⋮
CF : Step 199
⋮
FE : Step 254
FF : Step 255

22. Key(Command: m c)

► To send IR remote key code.

Transmission

[m][c][ ][Set ID][ ][Data][Cr]

Data Key code - Refer to page 201.

Ack

[c][ ][Set ID][ ][OK/NG][Data][x]

23. Control Back Light (Command: m g) (LCD TV/LED LCD TV only)

► To Control the back light.

Transmission

[m][g][ ][Set ID][ ][Data][Cr]

Data : data Min: 00 to Max: 64

Ack

[g][ ][Set ID][ ][OK/NG][Data][x]

24. Input select (Command: x b) (Main Picture Input)

► To select input source for main picture.

Transmission

[x][b][ ][Set ID][ ][Data][Cr]

Data Structure

MSB							LSB
0	0	0	0	0	0	0	0
External Input				Input Number			

External Input				Data
0	0	0	0	DTV
0	0	0	1	Analogue
0	0	1	0	AV
0	1	0	0	Component
0	1	1	0	RGB
1	0	0	0	HDMI
0	1	1	1	
1	0	0	0	
1	0	0	1	
1	0	1	0	

Input Number				Data
0	0	0	0	Input1
0	0	0	1	Input2
0	0	1	0	Input3
0	0	1	1	Input4

Ack

[b][ ][Set ID][ ][OK/NG][Data][x]

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